

Dr Marco Cantonati, PhD, Priv.-Doz. - **Curriculum vitae accademico**

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https://www.researchgate.net/profile/Marco_Cantonati2/ **publons.com/a/531227/**

<https://scholar.google.com/citations?hl=en&user=jlhqARcAAAAJ>

<https://mtsntn.academia.edu/MarcoCantonati> <https://www.linkedin.com/in/marco-cantonati-18b364a/>

Carriera accademica:

- dal 2000: Funzionario Conservatore a indirizzo Scientifico **Responsabile** della **Sezione di Limnologia & Algologia** del **MTSN (MUSE dal 2013** per cambio di denominazione dell'Ente). Responsabile di un gruppo di ricerca di 3-7 FTE. Dal **2008** questo gruppo include un **Assistente Tecnico Specialistico di Ricerca (posizione a tempo indeterminato)**. [since 2015: **Safety Officer –Preposto ai fini della sicurezza-** for 'Limnology & Paleolimnology Lab' and "Limnological fieldwork"]
- dal 1995: **Assistente di laboratorio scientifico** nel **Museo Tridentino di Scienze Naturali (MTSN)**.
- 05/12/2017 – 2023: **Abilitazione Scientifica Nazionale (ASN)** settore concorsuale **05/A1 BOTANICA** - I fascia.
- 30/03/2018 – 2024: ASN s.c. **05/C1 ECOLOGIA** - II fascia.
- Novembre 2017 – presente: **Research Associate, Academy of Natural Sciences of Drexel University**, PCER.
- 02/09/2016 – 11/04/2017: **Research Scientist (Diatom ecology and taxonomy), Academy of Natural Sciences of Drexel University**, Patrick Center for Environmental Research - PCER, Phycology Section, Philadelphia PA, USA. [unpaid leave from the MUSE in Trento]
- 2014: **Professore a contratto di Biologia degli Organismi Fotoautotrofi all'Università di Trento**.
- 2011: **Habilitation (venia docendi)** in **Limnology (Phycology)** at the **University of Innsbruck** (Austria). Title: 'Spring Habitats of the Alps: Biodiversity Hotspots and Sentinels of Environmental Change'. Awarded on the basis of 6 international reviews (4 on the **scientific production** and 2 on the **University teaching skills**) as well as of the public test lecture.
- 2010-2012: **Ricercatore Associato dell'ISE (Istituto per lo Studio degli Ecosistemi)** of the **CNR**, modulo di ricerca: "Ecosystem structures, biotic and abiotic interactions, and biodiversity in freshwater environments" (*Prov. Assoc. N. 09/45, N. 0002109, 09/11/2009*).
- 1990-1991: Tutor presso il Collegio Ghislieri e immatricolazione al C.d.L. Scienze Naturali (UniPV).

Formazione:

- 1998: **Dottorato di Ricerca in Ecologia delle Acque Interne ("Ökologie / Limnologie")** at the **University of Innsbruck, Austria** (19/02/1998) con **lode** ("mit Auszeichnung bestanden") (Supervisor: Prof. Eugen Rott; Thesis: *Hydrobiology of springs of the Adamello-Brenta Nature Park -Trentino, Italy- with special reference to the algae*). *Dr Rer. Nat.* (= PhD) dichiarato **equipollente al titolo di dottore di ricerca dell'ordinamento universitario italiano** con **Decreto del Ministro n780 del 2/9/1998**. [during Ph.D. studies (1993-1994) MC voluntarily attended 8 courses passing all exams with the highest marks].
- 1992: **Laurea vecchio ordinamento in Scienze Naturali** con lode, Sezione di **Ecologia Animale, Università di Pavia** (19/10/1992). In the same period, hydrobiological investigations in the frame of an environmental impact study commissioned to the Univ. Pavia by the AGIP Oil Refinery of Sannazzaro de' Burgondi (PV).
- 1990: **Laurea vecchio ordinamento in Scienze Biologiche** con lode e dichiarata dignità di stampa, Sezione di **Ecologia Animale, Università di Pavia** (25/06/1990).
- 1986: Dopo aver conseguito la maturità scientifica, posto di **Alunno** –vinto per concorso pubblico- presso il **Collegio Storico Ghislieri (Pavia)**.

Lingue: **Inglese** (excellent knowledge), **Tedesco** (comparable to native speaker). **Italiano**.

Attività editoriali (featured on **publons**)

Guest Editor for international journals: • *Ecological Indicators* (2018-2019), • *Science of the Total Environment* (2015-2016), • *Freshwater Science* (formerly *J. North Am. Benth. Soc.*) (2010-2012 & 2013-2014), • *Hydrobiologia* (2007-2008), • *Inland Waters* (2018-2019), • *Journal of Limnology* (2010-2011), • *Water* (2017-2019), • *Fottea* (2015-2016).

Associate Editor of the journals: *Wetlands*, *Phycologia*.

Member of the Editorial Board: *Journal of Limnology*, *Water*, *Biologia Ambientale* (journal of the Italian Society of Environmental Biology-CISBA, a reference for the Italian EPAs).

Past memberships: *Int. J. Biodiversity* (2012-2018), *J. Global Ecol. & Env.* (stepped down Jan 2017).

Editor (con il Prof. Zlatko Levkov) dell'importante serie di testi: *Diatoms of Europe* (Koeltz).

Ad hoc Reviewer for the main freshwater-science and phycology journals (ad hoc reviewer for 65 different journals!) e.g., AQUATIC & ENVIRONMENTAL SCIENCES: 1. *Freshwater Science*, 2. *Limnology and Oceanography*, 3. *Inland Waters*, 4. *Journal of Limnology*, 5. *Hydrobiologia*, 6. *Science of the Total Environment*, 7. *Ecological Indicators*, 8. *Ecology and Evolution*, 9. *Wetlands*, 10. *Biodiversity and Conservation*, 11. *Journal of Biogeography*, 12. *Diversity and Distributions*, 13. *Conservation Biology*, 14. *Ecohydrology*, 15. *Environmental Earth Sciences*, 16. *Ecohydrology & Hydrobiology*, 17. *Global Change Biology*, 18. *Ecosphere*, 19. *Canadian Journal of Fisheries and Aquatic Sciences*, 20. *Freshwater Biology*, 21. *Aquatic Microbial Ecology*, 22. *Marine & Freshwater Research*, 23. *Aquatic Sciences*, 24. *Environmental Science and Pollution Research*, 25. *Fundamental and Applied Limnology-Archiv für Hydrobiologie*, 26. *Limnologica*, 27. *Environmental Pollution*, 28. *Water*, 29. *WIREs Water*, 30. *Water Air and Soil Pollution*, 31. *Environmental Monitoring and Assessment*, 32. *Environmental Management*, 33. *Polar Research*, 34. *Polar Biology*, 35. *Knowledge and Management of Aquatic Ecosystems*, 36. *Journal of Freshwater Ecology*, 37. *Oceanological and Hydrobiological Studies*; PLANT SCIENCES & PHYCOLOGY: 38. *Journal of Phycology*, 39. *Algal Research*, 40. *European Journal of Phycology*, 41. *Diatom Research*, 42. *Aquatic Botany*, 43. *Plant Biosystems*, 44. *Fottea*, 45. *Cryptogamy-Algology*, 46. *Botanical Studies*, 47. *Plant Ecology and Evolution*, 48. *Algae*, 49. *Phytotaxa*, 50. *European Journal of Taxonomy*, 51. *Algological Studies*, 52. *Nova Hedwigia*, 53. *Proceedings of the Academy of Natural Sciences of Philadelphia*, 54. *Journal of Bryology*; Others: 55. *Southeastern Naturalist*, 56. *Polish Journal of Environmental Studies*, 57. *Polish Botanical Journal*, 58. *eco.mont*, 59. *Acta Botanica Croatica*, 60. *Lauterbornia*, 61. *International Journal of Water Resources and Environmental Engineering*, 62. *Berichte des Naturwissenschaftlich-Medizinischen Vereins in Innsbruck*, 63. *Studi Trentini di Scienze Naturali*, 64. *Gortania*, 65. *Kuwait Journal of Science and Engineering*.

BOOKS, MONOGRAPHS & BOOK SERIES: *Diatom Monographs*, *Iconographia Diatomologica*, *Lake Kinneret: Ecology and Management* - Springer 2013, Pouličková et al. eds 2005 *Ecology and palaeoecology of spring fens of the West Carpathians* Palacký University, Olomouc.

REVIEWER of BOOK PROPOSALS: Wiley.

ONLINE WEBSITES & RESOURCES: *Diatoms of North America* (DONA; <https://diatoms.org/>).

Organizzazione di Congressi Internazionali e Sessioni Speciali (17), Moderatore di Sessioni (17), Relazioni su invito (17) [most recent: Invited as Plenary Speaker at the *North American Diatom Symposium (NADS 2019)*, July 31-August 4th, 2019, University for Georgia, GA, USA] & **talks given** (45 international + 28 national) [**Total = 124**] [featured on <https://www.facebook.com/UAMRICH-2015-other-Congresses-Sp-Sessions-organized-by-Marco-Cantonati-918821638141628/>]: • **Organizer** (with A. Zgrundo) of the Special Session **10th Use of algae for monitoring rivers and comparable habitats** (UAMRICH10) within the *11th Symposium for European Freshwater Sciences -SEFS11-* (Zagreb, Croatia, 2019). • **Organizer and Chair** (with T. Zohary) of the Special Session S5. **Ecological impacts of water-level fluctuations (WLF)** (11 talks, 1 poster) of the XXXIV **SIL (Internat. Soc. Limnology)** Congress, August 19-24th **2018**, Nanjing, China. • **Chair** of the practical **diatom session** in the frame of the **International Workshop for the identification of algae used in environmental assessments**, Gdansk (Poland), September 12th-14th 2018. • Member of the **Scientific Committee** of the *20th Symposium of the International Association for Cyanophyte Research (IAC)*, August **2016**, Innsbruck, Austria. • Member of the **International Scientific Committee** of the *24th International Diatom Symposium (IDS2016)* & **Organizer and Chair** (with M. Kahlert & K. Manoylov) of the Session **Diatom-based assessments and monitoring of freshwater habitats**, (13 talks, 12 posters) August 21-26 2016, Québec City, Canada. • **Member** of the **Organizing Committee, National Scientific Committee & Organizer and Chair** (with R. Gerecke) of the Session 36. **Springs: well-known groundwater resources, disregarded biodiversity hotspots** (21 talks, 5 posters) of the XXXIII **SIL (Internat. Soc. Limnology)** Congress, 31. July- 6. August **2016**, Turin, Italy. • **Invited Lecture (Guest of honor)** *Long-term studies on algae in springs. XXXV International Conference of the Polish Phycological Society*. Łódź-Stryków, Poland, June 01.-04. 2016. • **Convenor** of the Session 5.8 *Ecohydrology and groundwater dependent ecosystems*, 42nd **IAH (Internat. Assoc. Hydrogeologists)** Congress, **AQUA2015**. Rome. Chairs: M. Cantonati & L. Ribeiro N. • **Organizer & Chair** of the International Symposium and Workshop: *Use of algae for monitoring rivers and comparable habitats and International Workshop on Benthic Algal Taxonomy (9th UAMRICH & InBAT*, June 15-19 2015). • **Organizer** (with: Muotka T., Richardson J., & M. Vis) of the **Special Session Spring-habitats' and spring-fed headwaters' biology fifty years after the definition of crenobiology. 2014** Joint Aquatic

Sciences Meeting (**JASM** = SFS+ASLO+PSA+SWS, 3100 attendees) (Portland, Oregon, USA). • Member of the Scientific Committee of the 8th ISUAMR (Madrid, Spain, 19-22/06/2012), • **Organizer** of the 2nd **CEDiatoM** (*Central European Diatomist Meeting*, 2008 Trento; (zugleich 22. *Deutschsprachiger Diatomologen Treffen*), and of the 12th **Meeting of German speaking diatomists** (Trento, 1998). • **Organizer** (with Prof. R. Lowe) of the **Special Session Lake benthic algae: communities, bioassessment, traits and adaptive ecology of selected species** (12 contributed talks) at the 2012 Meeting of the *Society for Freshwater Science* (SFS, formerly NABS, Louisville, KY, USA; *Freshwater Stewardship: Challenges and Solutions*). • **Organizer** (with Prof. J. Richardson) of **Special Session Springs and small streams: Understudied and under-protected key habitats for biodiversity conservation** at the 30th Congress of the Internat. Soc. Limnology (SIL 2007 Montréal, Canada). • **Chairperson of numerous Sessions** (e.g., 19th Internat. Diatom Symp., IDS2006, Listvyanka, Lake Baikal, Russia; IDS2008, Dubrovnik, Croatia; NABS2009, Conservation Ecology, Grand Rapids, MI, USA; Use of Algae for Monitoring 2009, Biofilms and choice of substrate, Luxembourg; Use of Algae 2012, Last advances in algal monitoring methodologies. Alcalá de Henares, Madrid, Spain). • **52** posters presented at Meetings.

Partecipazione a Società Scientifiche (10): • Society for Freshwater Science (S.F.S., formerly N.A.B.S.) (since 2012 Member of the International Coordination Committee), • Internat. Soc. Limnology (S.I.L.), • International Association of Hydrogeologists, • Assoc. Sciences Limnology & Oceanography (formerly Am. Soc. Limnol. Oceanogr., A.S.L.O.), • Internat. Soc. Diatom Res. (I.S.D.R.), • Internat. Phycol. Society (I.P.S.), • Phycol. Soc. America (P.S.A.), • Society of Wetland Scientists (SWS), • Ecological Society of Italy (S.It.E.), • Italian Association of Scientific Museums (A.N.M.S.).

Interessi di ricerca in parole chiave: Topics: freshwater science, ecohydrogeology, conservation ecology, freshwater biodiversity, environmental biology, bioassessment, organismal biology, community ecology, ecosystem ecology, oligotrophic habitats, benthic primary production, spring habitat ecology (crenoecology) and conservation, long-term ecological research, effects of environmental and climate change, paleolimnology, water-level fluctuations, depth distribution of benthic organisms in lakes, evolutionary biology with special attention to the ecophysiology and adaptive biology of benthic cyanoprokaryota and algae, species traits, indicators, biogeography, rare species, taxonomy, environmental significance of teratological forms of benthic diatoms (metals & toxic trace elements contamination etc.), biota in springs and streams of different lithology, longitudinal trends in watercourses, seasonality of the microphytobenthos in springs and streams, substrata preference of diatoms and cyanobacteria. Habitats & ecosystems: springs, spring-fed streams, mires, high-mountain running waters, high-mountain lakes, infralittoral, extremely-low alkalinity aquatic environments, ox-bow ponds. Organisms: diatoms, cyanobacteria, red algae, green algae. Ecological categories: microphytobenthos, periphyton, lake benthic algae, macroalgae, epilithon, epiphyton.

Didattica Universitaria: Teaching in **internat. courses (Visiting Prof.**, practical courses, summer schools, workshops) (**12**), **PhDs** (Supervisor **7**, Opponent **5**, Reviewer **6**, Substantial contribution to **5**, Reviewer of PhD proposals **1**), **University-Teaching Habilitation Theses reviewer (1)**, **Academic evaluations (Habilitation, Promotion to Assoc. Prof. (2)**, **Post-Docs mentoring (3)**, Visiting Ph.D. students (**4+2**), Volunteer research assistants (**8**), **MScs (16)**, **Bachelors (12)**. *Habilitation (venia docendi)* in Limnology (Phycology) at the University of Innsbruck (Austria, 2011). Courses (as Contract Professor) of at the Universities of Trento (*Biology of Photoautotrophic Organisms, Natural Sciences for High School Teachers* – P.A.S. Class A060) and Innsbruck (freshwater ecology and algal taxonomy). Member of the Ecology Doctoral-Studies Committee (*Collegio dei Docenti*) of the University of Parma (2003-2013); Reviewer Panel of the Earth and Environmental Sciences PhD Program, University of Pavia (2017-2018). Supervisor of 7 PhDs (Universities of Zürich, Switzerland; Univ. Parma; Univ. Innsbruck, Austria; Ain Shams University, Cairo, Egypt; Univ. Eastern Piedmont, Univ. Sassari), and Member of the Committee / Opponent / Referee of 9 Ph. D. theses in international Universities (Savoie - France, Brno – Czech Rep., Parma - Italy, Girona - Spain). Visiting Prof. at the Universities of Brno and

Olomouc (Czech Republic). Supervisor of MScs (14) and Bachelors (9). Organizer and Instructor of the Workshop / Practical course “Diatoms in oligotrophic habitats” (June 2008). Instructor in international freshwater ecology courses (among these: *Limnology of a mountain lake: Lake Tovel* and *Limnology of a large perialpine lake: Lake Garda*). Practical courses on *diatom taxonomy and ecology* for students from Italian Universities and professionals at the Limnological Station of the Museum at Lake Tovel. Seminars, tutorials, and laboratories for several courses of ecological and limnological subject at the Universities of Pavia and Innsbruck.

Pubblicazioni: Autore di 379 contributi scientifici di varia tipologia: a) **Articoli scientifici ISI in Riviste Internazionali con IF (88)**; b) **Volumi speciali internazionali, Capitoli di librai e Libri (22)**; c) Research Articles on International Refereed Proceedings (14); d) Textbooks or book chapters that can be used as aquatic-science teaching material; multilingual (11); e) Research Articles on Refereed National ISI Journals & National Refereed Proceedings (21); f) Online Publications: Peer Reviewed (1); g) Book Reviews / Book discussions (2); h) National Special Issues, Monographic Volumes, Books or Book Chapters (19); i) Papers and book chapters for the popularization of freshwater ecology & phycology topics (48); j) Congress Abstracts – Oral presentations (only those referring to works not published *in extenso* on the Proceedings) (79); k) Congress Abstracts – Posters (only those referring to works not published *in extenso* on the Proceedings) (78).

Acquisizione di fondi da progetti per conto terzi: Scientific coordinator or WP coordinator of **23** Projects. **Total budget managed (>1.6 Million EURO)**. Main ones: • **CRENODAT** (Biodiversity assessment and integrity evaluation of **springs** of Trentino (Italian Alps) and long-term ecological research) (funded by the University and Scientific Research Dept. of the Autonomous Province of Trento-PAT; 2004-2007). Scientific Coordinator of the overall Project. • **ACE-SAP (Alpine Ecosystems in a Changing Environment: Biodiversity, Sensitivity and Adaptive Potential)** (funded by the PAT University and Scientific Research Dept.; 2008-2011). Coordinator of Work Package 2 on the rhodophyte *Bangia atropurpurea* in Activity 2 **Adaptation - Aquatic Environments**. Scientific co-ordinator of the overall Project: Prof. David B. Neal. Univ. of California Davis, USA. • **SALTO/BEST (Blooms and Environment: Science for Lake Tovel)** (funded by the PAT University and Scientific Research Dept.; 2001-2004). Coordinator of WP 2 (**Paleolimnology**) and 6 (**Ecophysiology of dinoflagellates**). • **OLOAMBIENT (Environmental and ecosystem responses to Holocene climate variability in Trentino based on multi proxy-data from lacustrine environments, calcareous tufa and moonmilk)** (funded by the PAT University and Scientific Research Dept.; 2002-2005). Co-ordinator of WP 2 (**Monitoring**) and 3 (**Microfossils and pollen**). Scientific co-ordinator of the overall Project: Prof. Silvia Frisia (Trentino Nature & Science Museum, now at The Univ. of Newcastle, Australia). • **Life Tovel (LIFE00 ENV/IT/000132 Tovel - a concerted model of sustainable tourism development; 2001-2004)**, promoted by the Municipality of Tuenno, in collaboration with the Adamello–Brenta Nature Park, and the Trentino Nature & Science Museum. In charge for WP 5 **Development of educational and scientific initiatives for Schools and Universities**. • **Diatoms from springs of two Bavarian National Parks & ILTER (DiSpri-BNP)**; 2018-2019, promoted by the Ministry of the Environment of Bavaria (Germany). In charge for the diatom part of the project.

Referee-Assessor - for funding Agencies & LTER: Italian Ministry of Education, Universities and Research - MIUR (REPRISE <https://reprise.cineca.it/en>); **Belmont Forum** (international group of funding agencies focusing on environmental change research) - Freshwater Security theme; The **Research Council of Norway**; **National Geographic Society**; Icelandic Research Fund – IRF; Grant Agency of the Academy of Science of the Czech Republic-GACR; **Marie Curie Individual Fellowships** (European Commission); Polish National Science Centre; Romanian Government - National Research Council-CNCS; Hungarian Scientific Research Fund – OTKA. Referee of an Italian Long Term Ecological Research (**LTER**) site. Progetti di ricerca, Dipartimento di Scienze della Vita, Università di Trieste.

Rated researcher evaluation for **South Africa's National Research Foundation (NRF)** & evaluation for **promotion to Assoc. Prof** for **South African University**.

Periodi di ricerca all'estero: • Sept 2016 – Apr 2017: Academy of Natural Sciences of Drexel University, Patrick Center for Environmental Research - PCER, Phycology Section, Philadelphia PA, USA. • Palacký University Olomouc, Lab. Prof. A. Poulíčková (2014). • Universities of Brno and Olomouc (2010). • 28/05/2008 - 02/06/2008 & 22/10/2008 - 27/10/2008: labs. of Prof. J. Komárek (Botany Inst. AS CR & University of South Bohemia), research visits on the ecology and taxonomy of spring cyanobacteria. • 13/02/2000 - 04/03/2000: lab. of Dr. Eileen Cox, Botany Dept. of The Natural History Museum, London (funded by Bioresource-LSF EC Programme). • January 1996: lab. of Prof. Horst Lange-Bertalot (University of Frankfurt, Germany). • 1993-1994: Botany Institute of the University of Innsbruck (Austria). • Summer 1989: Zoology Dep. of the University of Cambridge (UK, Dr. L.E. Friday, ecophysiology of *Utricularia vulgaris* L. in the Nature Preserve of Wicken Fen).

Principali corsi post-laurea frequentati (14): **1)** 1995: *Restoration of freshwater ecosystems* (European Environmental Research Organisation Training Centre, Silkeborg - Denmark). **2)** 1994: *Ecological physiology of algae* (Prof. Susan Kilham, Drexel University, Philadelphia, PA, USA). **3)** 2007-2015 (MTSN/MUSE Trento): 12 one-week periods of joint research work with Prof. Horst Lange-Bertalot on the **taxonomy and ecology of diatoms**. **4)** 1993-94: *Running waters ecology* (Prof. E. Rott, Univ. Innsbruck). **5)** 1990: *Assessing running-water quality using macroinvertebrates*. Istituto Agrario S. Michele all'Adige (TN). **6)** 1993-94: *Taxonomy and ecology of the periphyton* (Prof. E. Rott, Univ. Innsbruck). **7)** 2005: *Freshwater Algae*, Field Studies Council, Kindrogan Field Centre, Scotland. **8)** 1994: *Taxonomy and ecology of water mites* (Dr Reinhard Gerecke). **9)** 2012: **R** for environmental statistical analyses (SFS Congress, Louisville, KY, USA). **10)** 2017: **TEC-VARIETY instructional design** & Education20/20 Meets Education 3.0: **Visions for Our Changing Learning World!** - Curtis Bonk (organized by Drexel University Online Learning Council, Philadelphia, PA, USA). **11)** 2018-2019: **Corso organizzato da UIL FPL per Funzionari di Enti Pubblici** (nozioni di diritto amministrativo, normativa sulla privacy e su anticorruzione e trasparenza, diritto di accesso, contabilità pubblica ecc.). **12)** 2014: Tools and Techniques for Giving **Compelling Talks** - Dennis Meredith (JASM Congress, Portland, OR, USA). **13)** 2005: Introduction to the use of the LEO EVO 40XVP **S.E.M.** (Assing S.p.a.). **14)** 1990-91: *Conservation and management of Vertebrates in the River Po floodplain*. Animal Biology Dept, Univ. Pavia.

Premi e riconoscimenti scientifici: • **Central European University Teaching Habilitation:** evaluates excellence both in scientific production and in University teaching. 2011: *Habilitation (venia docendi)* in Limnology (Phycology) at the University of Innsbruck (Austria). • **Targa Premio da parte del Presidente della Repubblica al Congresso SIL** (Società Internazionale di Limnologia) **2016** svoltosi a Torino: MC Membro del Comitato Organizzatore e Scientifico Nazionale del Congresso. • Positions as **Alumnus** -won by public selection- and **Tutor** at the **Ghislieri College** (Pavia); most well-known Alumnus in the biological disciplines: Luigi Luca Cavalli-Sforza, 1922; most well-known Alumnus from the Autonomous Province of Trento: Vittorio Erspamer, 1909-1999. • **«Garbini» Prize for limnological research** 1992 (Feb. 22nd 1994). • **Publons Peer Review Awards 2017: Top 1 per cent reviewers** in **Agricultural and Biological Sciences**; **Publons awards 2016: Top 10 per cent reviewers** for **Sentinels of Science: Environmental Science**. • **Università di Pavia**, Facoltà di Scienze Matematiche Fisiche e Naturali - Inserimento quale "**Culture della Materia**" nelle Commissioni d'Esame di Ecologia e di Idrobiologia e piscicoltura (1993-1994). • Grants from the Ghislieri College, AGIP, Austrian Ministry for Scientific Research, Italian Ministry for Foreign Affairs, and the Tyrol Region. • **"Dichiarata dignità di stampa"** (highly-worth to be published), in addition to honours for the Biology MSc at the University of Pavia (June 25th 1990). • 2017: **Golden eagle – Meritorious Member** of the Society of Trentino Mountaineers (**SAT**) of the Italian Alpine Club (**CAI**).

Eponimia: Several taxa dedicated to MC by Colleagues in recognition of his freshwater-science studies: - **diatoms** (3): *Navicula cantonatii* Lange-Bertalot (*Diatoms of Europe* 2, 2001), *Cymbella cantonatii* Lange-Bertalot (*Diatoms of Europe* 3, 2002), *Eunotia cantonatii* Lange-Bertalot et Tagliaventi (*Diatoms of Europe* 6, 2011); - **water mite** (1): *Feltria cantonatii* Gerecke (*Stuttgarter Beiträge zur Naturkunde A*, 2012); - **copepod** (1): *Diacyclops cantonatii* Stoch (in prep.).

Riconoscimenti in campo tassonomico: • MC included in the **International Plant Names Index (IPNI)**: Standard Form: "**Cantonati**"; IPNI Identifier urn:lsid:ipni.org:authors:20021132-2 • MC included in **lists of European taxonomists**: 1. **Protists**, 2. **Cyanobacteria**.

New taxa described: - **Diatoms: 2 new genera:** *Microfissurata*, *Neidiomorpha*; **21 new species**; 11 comb. nov. - **Cyanoprokaryotes: 1 new species.** - **Green algae: 1 new genus:** *Pharao*; 3 new species.

Attività di servizio (Commissioni, Comitati, Pannelli ecc.): • Administration work, in particular for the management of the **Limnology and Phycology Section** (research, collections, pedagogical activities). • **Press releases and conferences on limnological and phycological topics:** Taxa new to science in springs, reddening of Lake Tovel, acidification risk in high-elevation lakes. • Identification and consultancy on algae samples sent by colleagues or interested persons. • **Panel of experts EuregioLab 2018 (*Natural risks and biodiversity management in times of climate change*)** for the **European Region Tyrol-South Tyrol-Trentino** (2017-2018; Topic 3: Biodiversity and Ecosystem Services). • **Panel of experts** in charge for developing a **National Adaptive Strategy (SNA) to Environmental and Climate Change** for the **Italian Ministry for the Environment** (2012; topic: Biodiversity and Ecosystems. Aquatic Ecosystems; Chair: Prof. Pierluigi Viaroli, University of Parma). • Doctoral Studies Committee of the Ph.D. in Ecology at the University of Parma (since 2001). • *Selection Committees for staff employment* (permanent positions): 5 Technical Assistants (including one for Limnology and Phycology) for the Trentino Nature & Science Museum – August 2008; 2 Technical Assistants (Vertebrate Zoology and Prehistory) for the Nature & Science Museum – December 2012. • Doctoral Studies Committee of the Ph.D. in Evolutionary Biology at the University of Pisa (2004-2007). • Member (as “Cultore della Materia” = Scholar) of the Exam’s Commissions of the courses of *Ecology*, and *Hydrobiology and Fisheries*. • M.Sc. Theses evaluation Commissions for *Natural* and *Biological Sciences*. • Administrative Committee of the *Adamello-Brenta Nature Park* (1995-) • Scientific Committee of the *Museo Tridentino di Scienze Naturali* and of the journal *Studi Trentini di Scienze Naturali* (1995-2005).

Terza missione, esposizioni museali & attività di curatela delle collezioni: • Established a rapidly growing **algae collection** centered on oligotrophic habitats of Alps but recently expanded to streams of the Island of Cyprus and springs and wells in the Oases of the Western Desert of Egypt. This recent collection (1995 onwards, **5000 items**, mainly **diatom mounts**) was joined with a **legacy of historical algological materials** (about 1500 items, mainly exsiccate). MC deposited **8 holotypes** (7 diatoms, including 1 **genotype** species, & 1 cyanobacterium) and numerous **isotypes** in the algological collection of the Museum. • In charge (1995- 2002) for the **development of softwares for collection cataloguing** (in particular representing MTSN in the Mouseia© Commission of the Autonomous Province of Trento). • Contributions to the exhibitions of the **new Trentino Science Museum -MUSE**, that is hosted a **Renzo Piano building**; topics: general & regional limnology, freshwater biology, benthic algae (grand opening event: July 27th 2013). • New (2009) **exhibition halls** for the *Natural History Museum of Trento (MTSN)*; topics: main adaptations in high elevation aquatic environments, microscopic world, biodiversity of diatoms. • Contributions to **temporary exhibitions:** *AlgArt* (2015), *Antarctica* (2005), *The Deluge* (1999-2000), *The Museum investigates the Alps* (1996). • “Villino Campi” (Lake Garda Museum). • **Preparation techniques of phycological materials.** • **Participation** in several **European Researchers’ Nights (MUSE in Trento**, from 2010 to 2017 with **scientific corners** etc.) and **Members’ Nights** (2016, **ANS Drexel**, Philadelphia, PA, USA).

Altri interessi: Mountains, Hiking, Swimming, Languages, Travelling, Cultures, Eno-gastronomy, Wellness.

In fede, 16 maggio 2019

Dr Marco Cantonati

Dr Marco Cantonati, PhD, Priv.-Doz. – CV dell’attività didattica accademica

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Insegnamento in corsi internazionali (Visiting Professorships, corsi pratici, summer schools, workshops) (12), Dottorati (Relatore 7, Controrelatore 5, Revisore 6, Contributo rilevante 5, Revisore di progetti di dottorato 1), Valutazioni accademiche (*Habilitation* centroeuropea, Promozione e professore associato, 2), Supervisione di Post-Docs (3), Visiting Ph.D. students

(5+2), Volunteer Research Assistant (8), Tesi di laurea magistrale (16), Tesi di laurea triennale (12).

University Teaching Habilitation in Austria and Italy:

- Austria: The Central European evaluates excellence both in scientific production and in University teaching. **2011: *Habilitation (venia docendi) in Limnology (Phycology)*** at the **University of Innsbruck** (Austria). Awarded on the basis of 6 international reviews (4 on the **scientific production** and 2 on the **University teaching skills**) as well as of the public test lecture (*Erteilung der Lehrbefugnis vom Rektorat der Leopold-Franzens-Universität Innsbruck mit Bescheid GZ 146462/32-11 gemäß § 103 Abs. 1 UG 2002 mit 21. 06. 2011*).
- Italy: Italian University-Teaching Habilitation (tenurability certification) - **Abilitazione Scientifica Nazionale (ASN)** settore concorsuale **05/A1 BOTANICA (Plant Sciences)**, including Environmental Botany, Plant Ecology, and Phycology) - I fascia (at the rank of **full professor**) (December 5th 2017); ASN s.c. **05/C1 ECOLOGIA (Ecology)** - II fascia (at the rank of **associate professor**) (March 30th 2018).

“Cultore della Materia” (scholar): University of Pavia (early 1990s). Member of the Exams’ Commissions as for the following courses: Hydrobiology, Ecology.

In the early-career years: Seminars, tutorials, and laboratories for several courses of limnological and ecological subject at the Universities of Pavia and Innsbruck.

Courses taught at the University of Innsbruck, Austria (Contract Professor/Lehrbeauftragter Botany Institute) (4):

4. WS 2013/2014 **LV 717038 Phytobenthos**. Part of the *Wahlmodul: Spezielle Hydrobotanik* directed by Prof. Eugen Rott. Botany Institute, VU 1.

3. WS 2011/2012 **LV 717040 Student Project – Algae sampling in streams according to European standards / Hydrobotanische Projektstudie** Botany Institute, Practical Project: PJ 1 [part of a student Project, jointly directed with Prof. Eugen Rott]

2. WS 2009/2010 **LV 717035 Algal ecology / Spezielle Hydrobotanik** Botany Institute, Vorlesung 1 [Vorlesung im Rahmen einer Modul-Lehrveranstaltung von Prof. Eugen Rott]

1. SS 2009. **LV 717007 Introduction to aquatic photoautotrophs / Grundlagen der Hydrobotanik** (both theoretical and practical / „VO1, UE1“. Botany Institute, Block [together with Prof. Eugen Rott]

Courses taught at the University of Trento, Italy (Adjunct Professor B.Sc. Program in Biotechnology) (2):

1. SS 2014 **Biology of Photoautotrophic Organisms (145379)**. The main objective of the course was to provide a broad and effective introduction to the biodiversity, functional morphology, and physiology of photoautotrophic organisms from both pure and applied standpoints. Assigned on the basis of open competitive selection. Received high scores in student evaluation.

2. 2014 **Natural Sciences for High-School Teachers**. From the course contents: Structure, ecological role, diversity of Prokaryotes and Eukaryotes analyzed considering Chloro- and Cyanoprokaryotes and the main groups of photosynthetic protists. Photoautotrophic-organisms’ evolution, phylogenesis, and systematics. The environment as a complex system. The organisms and the environment. Ecosystems and their dynamics. Pollution. Environmental-quality indicators. Water as a resource. Epicontinental waters.

Multi-lingual teaching & text books

I have performed University teaching activities in **English, German, and Italian**, and possess a detailed knowledge of scientific terminology in these three languages. I was co-Editor of the Italian Edition of a **well-known ecology textbook**, the majority of the chapters of which were translated into Italian by myself, and I wrote chapters in books (available in English and Italian) on mountain streams, high-mountain lakes, and pools, ponds & marshes (see Publ. list).

Teaching in international courses: visiting professorships, practical courses, summer schools, workshops (6)

6. **Visiting Professor** at the University of Olomouc (Czech Republic), March 2014. PhD program in Botany. Lectures for Hydrobiology and Phycology courses.

5. **Visiting Professor** at the Universities of Brno and Olomouc (Czech Republic), March 2010.
INNOLEC LECTURESHIP in Limnology and Phycology awarded by the Faculty of Science of the Masaryk University in Brno "in recognition of his valuable contribution to the development of the teaching curriculum".
4. **Ecology & taxonomy of benthic diatoms in oligotrophic freshwater habitats** (From the 16th to the 20th of June 2008). **Practical course organizer:** Marco CANTONATI, Trentino Nature & Science Museum, Limnology and Phycology Section, Italy. **Instructors:** H. Lange-Bertalot, Univ. Frankfurt & Senckenberg Museum, Germany; K. Buczkò, Hung. Nat. Hist. Mus., Botany Dept., Budapest, Hungary; M. Cantonati, Trentino Nature & Science Museum, Limnology and Phycology Sect., Italy; I. Jüttner, Nat. Mus. Wales, Biodiv. & Syst. Biol. Dept., Cardiff, UK; R. Pienitz, Univ. Laval, Centre d'études nordiques, Paleolim.-Paleoec. Lab., Québec, Canada; A. Poulíčková, Palacký Univ., Olomouc, Czech Rep.; E. Reichardt, Treuchtlingen, Germany; E. Rott, Univ. Innsbruck, Botany Inst., Austria; B. Van De Vijver, Nat. Bot. Garden Belgium, Dept. Cryptogamy, Meise Belgium; A. Wojtal, Polish Acad. Sc., Botany Inst., Phycol. Dept., Krakow, Poland. **Participants:** 18 students from Bulgaria, France, Germany, Switzerland, Canada, Sweden, Estonia, Czech Republic, Spain, Russia, Italy.
3. *Limnology of Lake Tovel: A peculiar mountain lake (Special subject: Vertical gradients and depth distribution of planktonic and benthic organisms in a mountain lake)* (29/06/2003-05/07/2003). Course organizer and instructor of the phytobenthos group (analyses on epilithon sampled by divers along a depth profile). Course Director: Prof. Eugen Rott (Univ. Innsbruck). Italian and Austrian students.
2. *Limnology of Lake Tovel, 1178 m a.s.l., Trentino, Italy* (20-26/9/1998). Instructor (physicochemistry, benthic diatoms and cyanobacteria). Italian and Austrian students. Course Director: Prof. Eugen Rott (Univ. Innsbruck). This course is described and discussed in the following publication: Cantonati M., 1999 - A student course describing the late summer situation of a mountain lake (lake Tovel, 1178 m a.s.l., Southern Alps) - *Proceedings of Lake99*, S16A-4. 17-21 May 1999, Copenhagen, Denmark.
1. *Limnology of a large perialpine lake: Lago di Garda* (16-21/9/1996). Course Director: Prof. Eugen Rott (Univ. Innsbruck). Instructor (diatoms). Italian and Austrian students.

Teaching in national courses (7):

Practical courses on diatom taxonomy and ecology and on *phytobenthos taxonomy and applied ecology* for students from Italian Universities (Parma, Bologna, Padova) and professionals at the **Limnological Station of the Museum at Lake Tovel**. 1-week courses (Diatoms: July 2006, 25-29 June 2007, 9-13 July 2007, 6-10 July 2009, 5-9 July 2010). Course Director and Instructor for taxonomy, ecophysiology, and ecology.
Lectures & Field and lab work for the **Master Management and Conservation of Natural Resources, University of Pavia** (12-13/07/2003).

Membership in Doctoral Studies Committees (*Collegio dei Docenti*) (3):

3. University of Parma (Ecology, 2003-2013).
2. University of Pisa (2008, Evolutionary Biology).
1. University of Pavia (2017-current): **Reviewer Panel** of the **Earth and Environmental Sciences** PhD Program.

List of supervised PhD theses (7+5+6+5+1)

7. LAI Giuseppina Grazia 2019. Ecological surveys for the valorization of spring environments of Sardinia: implications for their fruition and environmental protection. PhD in Architecture & Environment. XXXI Cycle. University of Sassari. Italy. Supervisors: Dr B.M. Padedda & Prof. A. Lugliè. Co-Supervisors: Prof. M. Cantonati, Prof. L. Ector, Dr C.E. Wetzel. 211 pp.
6. NIEDRIST Georg H. 2017. *Feeding ecology of alpine chironomids (Diptera. Chironomidae). Basic principles, observed patterns and future prospects under climate change conditions*. Supervisors: Prof. L. Füreder, PD Dr Marco Cantonati. University of Innsbruck (Austria). Thesis defence: November 11th 2017. 165 pp.
5. ROSATI Melissa. *Assembly processes of invertebrate communities in springs across different spatial scales*. Supervisors: Prof. Giampaolo Rossetti, Dr Marco Cantonati, Dr Stefano Segadelli. University of Parma (Italy). Dept. of Environmental Sciences. Thesis defence: March 1st 2016. 115 pp.
4. TAXBÖCK Lukas. 2015. *Diatom biodiversity, distribution patterns and spring types in near-natural Swiss springs*. Supervisors: PD Dr M. Cantonati (also Member of the *Promotionskomitee*), Prof. P. Linder [the former supervisor, Prof. H. Preisig, deceased 2011]. University of Zurich (Switzerland). Institute of Systematic Botany. Thesis defence: November 10th 2015. 150 pp.

3. MOGNA Marcella. 2012. Ricerche ecologiche su habitat sorgentizi nel Parco Naturale Alta Valle Pesio e Tanaro e valli limitrofe / *Ecological investigations on spring habitats in the Alta Valle Pesio and Tanaro Nature Park and nearby valleys*. Supervisors: Dr Marco Cantonati, Prof. G. Berta and Dr Flora Andreucci. Dept. of Environmental and Life Sciences, University of Eastern Piedmont, Alessandria (Italy). Thesis defence: March 28th 2012. 120 pp.
2. SPITALE Daniel. 2008. *Bryophytes and vascular plants in springs of the Italian Alps: Biodiversity analysis at large spatial scale and mechanisms of distribution at fine spatial scale*. Supervisors: Dr Marco Cantonati, Dr Giampaolo Rossetti. Dept. of Environmental Sciences, University of Parma (Italy). Thesis defence: March 3rd 2008. 119 pp.
1. ANGELI Nicola. 2006. *Ricostruzioni paleoecologiche tramite l'analisi di diatomee subfossili in sedimenti di laghi del Trentino*. Università di Parma. Supervisors: Dr Marco Cantonati, Dr Giampaolo Rossetti. Dept. of Environmental Sciences, University of Parma (Italy). Thesis defence: March 9th 2006. Evaluation: Eccellenza. 77 pp.

Opponent (Member of the Thesis Committee) of the following Ph.D. theses (5):

5. Rimet F. 2012. Diatoms: an ecoregional indicator of nutrient, organic matter and micropollutants pollution. PhD Thesis. Université de Savoie, France. Supervisor: I. Domaizon.
4. Fránková M. 2010. *Ecology and taxonomy of diatoms of Western Carpathian spring fens*. PhD Thesis. Masaryk University. Brno, Czech Republic. Supervisor: A. Poulíčková. Opponents: F. Hindák & M. Cantonati.
3. Bottazzi E. 2010. Caratterizzazione ecologica di ambienti lotici e sorgentizi dell'alto Appennino parmense. Tesi per il conseguimento del Dottorato di Ricerca in Ecologia (XXII Ciclo). Supervisors: Dr. G. Rossetti, Dott. S. Fenoglio, Dr. B. Maiolini.
2. Silveri L. 2009. Plecoptera in Alpine streams and springs. Tesi per il conseguimento del Dottorato di Ricerca in Ecologia (XX Ciclo). Università di Parma. Supervisors: Dr. G. Rossetti & Dr. B. Maiolini.
1. Caravati E. 2008. Biodiversità e caratteristiche eco-fisiologiche dei picocianobatteri d'acqua dolce Tesi per il conseguimento del Dottorato di Ricerca in Ecologia (XX Ciclo). Università di Parma. Supervisors: Prof. P. Viaroli & Dr. C. Callieri.

Referee of the following Ph.D. theses (6):

6. Lehosmaa K., 2017. *Anthropogenic disturbance to and restoration of springs and spring-fed streams*. University of Oulu, Dept. Ecology & Genetics, Finland. Supervisors: Prof. Timo Muotka & Dr Jussi Jyväsjärvi.
5. Chuzhekova T.A., 2016. *Structural and functional features of macrozoobenthos communities in spring brooks of Middle Volga Basin*. Saint Petersburg State University, Faculty of Biology, Dept. Ichthyology & Hydrobiology, Russia. Ph.D. Supervisor: Prof. Maximovich Nikolay V.
4. García M.E., 2014. *Biodiversity of continental macroalgae and ecological quality assessment in transitional waters. The case of the Pego-Oliva marsh (Iberian Peninsula)*. University of Murcia. Spain. Ph.D. Supervisor: Prof. M. Aboal.
3. Cvetkoska A. 2014. *The diatoms as indicators of the palaeolimnological changes in ancient Lake Prespa*. Ss. Cyril and Methodius University. Skopje, Macedonia. Supervisor: Prof. Z. Levkov.
2. Urrea-Clos G. 2010. **Distribution of diatom communities in agricultural and mining watersheds of Southwest Spain**. Escola de Postgrau. University of Girona. Spain. Ph.D. Supervisor: Prof. S. Sabater.
1. Tornés Bes E., 2009. *Distributional patterns of diatom communities in Mediterranean rivers*. Escola de Postgrau. University of Girona. Spain. Ph.D. Supervisor: Prof. S. Sabater.

Substantial contributions (and co-funding) for the following Ph.D. theses (5):

5. SABER A.A.M. *Unveiling phyco-biodiversity of El-Farafra Oasis (Western Desert, Egypt) with special interest on springs and wells, and potential relevance of its use in bio-assessment*. Ain Shams University (Egypt).
4. Segnana M. *Environmental and climate change (Holocene) in the Dolomites inferred from subfossil pollen (diatoms) in mire cores*. Supervisors: Prof. C. Barbante, Dr. J. Gabrieli. Environmental Sc. Dept., University of Venice (Italy). Funded by CariVerona Foundation.
3. Bertuzzi E. 2008. *Le sorgenti delle Alpi: complessità, biodiversità e indicatori di naturalità/integrità - Tesi per il conseguimento del Dottorato di Ricerca in Scienze Ambientali* - Università di Urbino (XIX Ciclo). Relatore: Prof. Almo Farina.
2. Tardio M. 2007. *Eco-physiological, taxonomical and paleolimnological study of dinoflagellates of Lake Nero di Cornisello (Adamello Brenta Natural Park, Italy)*. Tesi per il conseguimento del Dottorato di Ricerca in Biologia Evoluzionistica. Università di Pisa. XIX Ciclo. Relatore: Prof. Graziano Di Giuseppe. Posto con borsa. Thesis defence: 10/01/2007.
1. Tolotti M. 2000. *Phytoplankton, littoral diatoms and general limnology of high mountain lakes in the Adamello-Brenta Regional Park (Trentino, Italy)*. Dissertation zur Erlangung des akademischen Grades eines Doktors der Naturwissenschaften. Naturwissenschaftliche Fakultät der Leopold-Franzens-Universität Innsbruck. Supervisors: Prof. Eugen Rott & Dr Eveline Pipp. 184 pp.

Referee of the following Ph.D. thesis proposals (1):

1. 2017. *Hydroclimatological controls affecting the spatial and temporal variability of terrestrial diatoms across catchments*. Wageningen Institute for Environment and Climate Research (WIMEK), Wageningen University, The Netherlands

Visiting Ph.D. students (5+2):

5. **Boutarfa** S. 2018. Abbes Laghrour University Khenchela (Algeria). Main topics: Characterization and identifications of thermophilic microalgae and cyanobacteria from Algerian geothermal resources.
4. **Rossini** R. 2016. University of Queensland, St Lucia (Australia). Main topics: Australian springs, invertebrate conservation, ecological theory.
3. **Kamberović** J. 2013. University of Zagreb (Croatia) & University of Tuzla (Bosnia and Herzegovina). Main topics: Photoautotrophs in mountain springs of Konjuh.
2. **Letáková** M. 2013-2014. University of Olomouc (Czech Republic). Main topics: Epiphytic diatoms from the Valagola_SEFIRA Project, macroscopic colonies of *Cymbella excisiformis* in the downstream sector of a SAL spring.
1. **Virtanen** L. 2011. University of Helsinki (Finland). Main topics: Taxonomy and ecology of diatoms in low alkalinity waters. *Achnantheidium minutissimum* (Bacillariophyta) teratological forms as indicators of heavy metal enrichment / pollution in different freshwater environments.

Ph.D. students: Short visits (2):

2. **Borsato** V. 2014. University of Trieste. Main topics: Identification of some algae found during the floristic and phytosociological assessment of very-shallow mountain ponds surrounded by pastures (*Iame*, Foresta del Consiglio).
1. **Fortunato** E. 2014. University of Basilicata. Main topics: Pertusillo Reservoir coring project.

Academic evaluations (2)

Referee of University-Teaching Habilitation (*venia docendi*) theses (1)

1. Stefanie **VON FUMETTI**. 2017. Alpine Spring Ecology: Towards an understanding of species distribution and impacts of Global Change. *Venia docendi*. University of Basel. Departement of Environmental Sciences. Switzerland.

Promotion to Associate Professor (1)

1. Senior lecturer Sanet **JANSE VAN VUUREN**. 2017. Academic Promotions Committee. School: Biological Sciences. North-West University (NWU). South Africa

Post-Doc mentoring (3)

3. Abdullah A. **Saber**. 2019. Phycological Biodiversity in Oases in the Western Desert of Egypt (PhyBio). Post-Doc funded by the Italian *Ministry of Foreign Affairs and International Cooperation* (MAECI). Supervision in collaboration with Prof. G. Guella, University of Trento, Bioorganic Chemistry Lab.
2. Daniel **Spitale**. 2008-2010. ACE-SAP (Alpine ecosystems in a changing environment: biodiversity sensitivity and adaptive potential) Work Package 2 on the rhodophyte *Bangia atropurpurea* in Activity 2 "Adaptation - Aquatic Environments".
1. Manel **Leira**. 2006-2007. Water-level changes in Alpine lakes (NE Italy), and their reflection in the diatom sediment record.

Volunteer research assistants mentoring (8)

8. **Marino** A. September 2019. Diatoms in streams.
7. **Bernabé** D. April 2019 – July 2019. Diatoms in streams and springs. Diatom teratologies.
6. **Defrancesco** C. November 2015 – open end. Limnological and paleolimnological analyses.
5. **Borrini** A. November 2018 – April 2019. Diatoms from a river basin in Kenya.
4. **Rigotti** D. October 2017 – April 2018. Benthic diatoms in selected LTER springs.
3. **Nones** F. January – May 2015. Benthic-algae-based assessments & monitoring in springs.
2. **Van Wensen** L. November 2014- April 2015. Ecological characterization of diatom species.
1. **Stocchetti** E. November 2013-2014. Paleolimnology of Lake Valagola (diatoms).

Mentoring of visiting academic staff & Faculty (1)

1. Małgorzata **Bąk** and three other Colleagues, Szczecin University (Poland), Palaeoceanology Unit at Faculty of Geosciences. September 2013.

M.Sc. Theses (16):

16. PLATANIA Giulia 2019/2020. *Studi paleolimnologici sulle diatomee di due laghi di alta quota delle Alpi in Friuli e in Piemonte*. [Paleolimnological investigations on the diatoms of two high-elevation lakes of the Alps located in the Friuli and Piedmont Regions]. Master Program in *Global Change Ecology*. Università degli Studi di Trieste. Supervisors: Pizzul E., Cantonati M. & Zorza R. xxx pp. Thesis defence: xxxx xxth 202x. Evaluation: xxx/110.
15. BURATO Sara 2015/2016. *Le diatomee come chiave interpretativa dello stato ecologico di alcune sorgenti nel Parco delle Prealpi Giulie*. [Diatoms as the key to

- interpret ecological condition in some Julian Pre-Alps Nature Park spring habitats*]. Corso di Laurea Magistrale in Biologia Ambientale. Università degli Studi di Trieste. Supervisors: Pizzul E., Cantonati M. & Zorza R. 149 pp. Thesis defence: February 24th 2017. Evaluation: 110/110 *cum laude*.
14. SEGNANA Michela 2009/2010. *Diatomee bentoniche in laghi d'alta quota e sorgenti con acque a bassa alcalinità del Parco Naturale Adamello-Brenta (Trentino), con particolare attenzione alla distribuzione con la profondità nel Lago Nero di Cornisello [Benthic diatom assemblages in low alkalinity high-mountain freshwater environments of th Adamello-Brenta Nature Park (Trentino), with special reference to the depth distribution in Lake Nero di Cornisello]*. Corso di Laurea Specialistica in Scienze della Natura. Università di Padova. Supervisors: Trevisan R. & M. Cantonati. 83 pp. Thesis defence: 20/09/2010. Evaluation: 110/110 *cum laude*.
 13. SCALFI Alessia 2007/2008 – *Stagionalità ed ecofisiologia di micro- e macroalghe in ambiente sorgivo*. Classe delle Lauree specialistiche in Biologia 6S. Corso di Laurea specialistica in Biodiversità e biomonitoraggio degli ecosistemi. Università di Trieste. Relatori: Bressan G. & M. Cantonati. 85 pp. Discussa il 29/03/2008.
 12. MAIORANA Silvia 2005/2006 - *Distribuzione longitudinale e stagionalità dello zoobenthos in due ruscelli sorgivi su diverso substrato geologico* - Tesi di Laurea in Scienze Biologiche. Relatori: Prof. Anna Occhipinti, Dr. Marco Cantonati. Università di Pavia. 72 pp. Discussa il 20/07/2006.
 11. SCOLA Silvia 2002/2003 - *Distribuzione lungo un gradiente di profondità dei popolamenti vitali di diatomee epilittiche nel Lago di Tovel (Parco Naturale Adamello-Brenta, Trentino)* - Tesi in Scienze Biologiche. Relatore: Prof. Giampaolo Rossetti, Dr. Marco Cantonati. Università di Parma. Discussa il 16/03/2004. 120 pp.
 10. CORRADINI Giorgia, 2002/2003 - *Le diatomee di torrenti d'alta quota di Parchi naturali del Trentino occidentale* - Tesi di Laurea in Scienze Biologiche. Relatore: Prof. Giampaolo Salmoiraghi, Dr. Marco Cantonati. Università di Bologna. 110 pp. Discussa il 16/07/2003.
 9. SPITALE Daniel 2001/2002– *Effetti sui popolamenti fitoplanctonici del Lago di Tovel (Trentino) di arricchimenti con macro- e micronutrienti in diverse tipologie di mesocosmi* - Tesi in Scienze Biologiche. Relatore: Prof. Francesca Chiesura Lorenzoni, Dr. Marco Cantonati. 110 pp. Università di Padova. Discussa il 17/03/2003.
 8. LEONARDELLI Paolo 2000/2001– *Ricerche preliminari sullo zooplancton dei laghi del Parco Adamello-Brenta* - Tesi in Scienze Naturali. Relatori: Prof. Ireneo Ferrari, Dr. Marco Cantonati e Dott. Giampaolo Rossetti. Università di Parma: pp. 85. Discussa il 20/07/2001.
 7. TARDIO Massimiliano 1999/2000 - *Evoluzione del fitoplancton in mesocosmi sottoposti ad operazione di arricchimento con fosforo nel lago di Tovel (Trentino)* - Tesi di Laurea in Scienze Biologiche. Relatore: Prof. Gianpaolo Salmoiraghi, Dr. Marco Cantonati. Università di Bologna: pp. 254. Discussa il 08/03/2001.
 6. ANGELI Nicola 1999/2000 - *Ecologia di due laghi alpini d'alta quota nel Parco Adamello-Brenta (Trentino) con particolare riferimento allo zooplancton* - Tesi di Laurea in Scienze Naturali. Relatori: Prof. Sandra Cesellato, Dr. Marco Cantonati. Università di Padova: pp. 61. Discussa il 15/12/2000.
 5. BONETTINI Anna Maria 1993/94 - *Ricerche idrobiologiche su sorgenti montane e subalpine del Parco Adamello-Brenta (Trentino)* - Tesi di laurea in Scienze Biologiche. Relatore: Prof. ord. Cesare F. Sacchi. Università di Pavia: pp. 150. Discussa il 27/7/1994.
 4. GROSSI Stefania 1993/94 - *Ricerche ecologiche su popolamenti a macroinvertebrati in un ambiente marginale di Po (Comune di Spessa Po)* - Tesi laurea in Scienze Biologiche. Relatrice: Prof. Anna Occhipinti. Università di Pavia: pp. 96. Discussa il 27/7/1994.
 3. PETTINELLA Roberta 1993/94 - *Ecologia e dinamica del popolamento zooplanctonico in un ambiente marginale di Po* - Tesi laurea in Scienze Naturali. Relatrice: Prof. Anna Occhipinti. Università di Pavia: pp. 143. Discussa il 13/7/1994.
 2. BIRKEMEYER Tania, 1992/93 - *Ricerche di idrobiologia applicata sulla rete idrica della Raffineria Agip di Sannazzaro De' Burgondi* - Tesi laurea in Scienze Biologiche. Relatrice: Prof. Anna Occhipinti. Università di Pavia: pp.70. Discussa il 19/7/1993.
 1. FERRANDINI Maria, 1992/93 - *Ecologia dinamica dello zooplancton di un ambiente marginale di Po ed effetti di una piena* - Tesi laurea in Scienze Biologiche. Relatori: Prof. Anna Occhipinti, Dr. Marco Cantonati. Università di Pavia: pp. 89. Discussa il 19/7/1993.

Bachelor Theses (12):

12. BIGHIGNOLI Bruno, 2019/2020. *Epilithic diatoms from controlled substrata of the mid-depth zone of Lake Tovel as indicators of environmental change / Diatomee epilittiche substrati controllati della zona a profondità intermedia del Lago di Tovel come potenziali indicatori di cambiamenti ambientali*. Bachelor Thesis in *Sciences of the Agrarian and Forest Environment*. University of Bologna. Supervisors: Dr M. Cantonati (tutor of the research work providing the topic and all scientific data), Prof. M. Bosco. xx pp. Thesis defence: xx/xx/2020.
11. BRUGNARA Nicolò, 2017/2018. *Littoral epilithic diatoms in high mountain lakes as indicators of water-level fluctuations and environmental change / Diatomee litorali epilittiche nei laghi d'alta quota come indicatori di variazioni di livello e cambiamenti ambientali*. Bachelor Thesis in *Science and Technologies for the Environment*. University of Padua. Supervisors: Dr M. Cantonati (tutor of the research work providing the topic and all scientific data), Dr N. Angeli, Prof. V. Matozzo & Prof. I. Moro. 52 pp. Thesis defence: 14/12/2018.
10. CESCINI Luca, 2018/2019. *Diatoms and acidification status in springs of the Bavarian Forest National Park (Germany) / Diatomee ed effetti dell'acidificazione in sorgenti del Parco Nazionale Bayerischer Wald (Germania)*. Bachelor Thesis in *Natural Sciences*. University of Bologna. Supervisors: Dr M. Cantonati (tutor of the research work providing the topic and all scientific data) & Prof. Juri Nascimbene.
9. MAESTRINI Elisa, 2016/2017. *Paleolimnology of a shallow mountain lake on siliceous substratum with special attention to water-level fluctuations*. Bachelor Thesis in *Natural Sciences*. University of Modena and Reggio Emilia. Supervisors: Dr N. Angeli & Dr M. Cantonati (tutors of the research work providing the topic and all scientific data) & Prof. Francesca R. Bosellini.
8. ZANINI Alessandro, 2013/2014. *Impatti di gestione e uso del territorio sui tassi di senescenza e interrimento del Lago di Valagola, Parco Naturale Adamello-Brenta: [Impacts of land use and management on the senescing and filling rates of the mountain Lake Valagola -Adamello-Brenta Nature Park]*. Bachelor Thesis in *Mountain Environment Protection and Development*. University of the Mountain Environment in Edolo. Supervisors: Dr. M. Cantonati (tutor of the research work providing the topic and all scientific data) & Prof. Anna Giorgi.
7. SANTINI Chiara, 2011/2012. *Distribuzione spaziale rispetto al livello idrometrico di filamenti maturi e immaturi dell'alga rossa *Bangia atropurpurea* e delle diatomee epifite sulle rive rocciose del Lago di Garda. [Spatial distribution with respect to the water line of mature and immature filaments of the red alga *Bangia atropurpurea* and of its diatom epiphytes on the rocky shores of Lake Garda]*. Baccalaureate Thesis in *Science and Technology for the Environment*. University of Genoa. 25 pp. Supervisors: Dr. M. Cantonati, Prof. S. Salvidio. Thesis defence: 13/11/2012. Awarded the highest grade for the Bachelor thesis.
6. PARMESANI Mattia, 2009/2010. *Valutazione della qualità ambientale, tramite l'utilizzo delle diatomee come bioindicatori, di tratti di riva del Lago di Garda alla fine degli anni Settanta e confronto con la situazione attuale. [Diatom-based environmental-quality evaluation of shore stretches of Lake Garda at the end of the 1970s, and comparison with the present-day situation]*. Baccalaureate Thesis in *Science and Technology for the Environment*. University of Padua. 31 pp. Supervisors: Dr. M. Cantonati, Dr. V. Matozzo. Thesis defence: 24/09/2010. Awarded the highest grade (5/5) for the Bachelor thesis.
5. BATTISTOTTI Martina, 2008/2009. *Variabilità spazio-temporale delle diatomee epifite di *Bangia atropurpurea* (Rhodophyta, Bangiales) nel Lago di Garda. [Spatiotemporal variability of the diatom epiphytes of *Bangia atropurpurea* (Rhodophyta, Bangiales) in Lake Garda]*. Baccalaureate Thesis in *Science and Technology for the Environment*. University of Padua. Supervisors: Prof. Paolo Cordella, Dr. Marco Cantonati. Thesis defence: 19/12/2008 (Highest grade with hon). 64 pp.
4. SCALFI Alessia 2004/2005. *Caratterizzazione idrobiologica delle sorgenti di Stenico (Trentino occidentale) con particolare riferimento alle*

- microalghe diatomee* - Tesi di Laurea di primo livello in Scienze e Tecnologie per la Natura. Relatori: Prof. Giovanni Caniglia & Dr. Marco Cantonati. Università di Padova. Discussa il 27/09/2005. 66 pp.
- BELLA Erica 2003/2004. *Metodi fisici nell'analisi del fitoplancton del Lago di Tovel* - Tesi in Fisica Applicata. Relatori: Prof. Graziano Guella & Dr. Marco Cantonati. Università di Trento. Discussa il 20/10/2004. 83 pp.
 - NESPOLI Andrea, 2002/2003 – *Ricerca ecologica a lungo termine su tre sorgenti del Parco Naturale Adamello-Brenta: la diatomee di muschi idrofilo e igrofilo* - Tesi in Scienze e Tecnologie per la Natura. Relatori: Prof. Anna Occhipinti & Dr. Marco Cantonati. Università di Pavia. Discussa il 22/04/2004. 27 pp.
 - SIMONI Michela. *Sperimentazione in mesocosmi sul fitoplancton del Lago di Tovel*. Tesi di Laurea in Scienze Biologiche. Relatori: Dr. M. Cantonati, Prof. G. Gasperi. Università di Pavia.

Drexel Undergraduate Coop Students (at ANSP, PA, U.S.A.):

2017: Summyr Burroughs (co-Supervisor with Don F. Charles)

Short internships & small, additional, final student reports (Tesine etc.):

Brugnara N., 2017. Benthic diatoms from high-mountain springs and lakes. Environmental Sciences. University of Padova.

Gatti D., 2007-2008. Diatomee: biogeografia e ipotesi sulle modalità di dispersione. Università di Bologna. Laurea specialistica in Conservazione e Gestione del Patrimonio Naturale.

Other teaching activities

Jury Member (judge) of Student Awards and Fellowships (8)

- Florian-Weighardt Fellowships*, Ghislieri College, Italy, to support Biology-Alumni 4-months study-abroad periods at Max Planck Institutes in Germany (research fields include: Microbiology & Ecology, Ecology & Plant Research); awarded to: Sofia Todesca-2018.
- Society for Freshwater Science (SFS) 2015 Annual Meeting*, Milwaukee, WI, USA (May 17-21, 2015).
- Joint Aquatic Sciences Meeting (JASM = SFS+ASLO+PSA+SWS) 2014*, Portland, Oregon, USA (May 19–23, 2014).
- Society for Freshwater Science (SFS) 2012 Annual Meeting*, Louisville, KY, USA (19-26 May, 2012).
- Central European Diatom Meeting, CEDIATOM6*, Innsbruck, Austria 22-25/03/2012.
- North American Benthological Society (NABS) 2011 Annual Meeting*, Providence, RI, USA (22-26 May, 2011).
- North American Benthological Society (NABS) 57th Annual Meeting*, Grand Rapids, MI, USA (17-22 May, 2009).
- Central European Diatom Meeting, CEDIATOM3*, Utrecht, The Netherlands 27-29/03/2009. Together with Herman Van Dam and Ingrid Jüttner.

Seminars, Lectures, Workshops & Excursions:

The large limestone-precipitating spring of S. Antonio di Labante (BO). A contribution to the excursion for students in Sustainability and United Nations SDGs of Alma Mater University of Bologna (Excursion Director: Prof. A. Gargini). 18-05-2019.

Cantonati M., 2012. *Workshop on the ecology of the lake littoral (L. Molveno & L. Tovel)* – Staff involved in pedagogical and educational activities of the Adamello-Brenta Nature Park (11-06-2012).

Cantonati M., 2009. Le sorgenti e i laghi di montagna del Trentino. Società degli Alpinisti Tridentini (Trentino Section of the Italian Alpine Club) – Commissione TAM (Tutela Ambiente Montano) (Mountain Environments Protection Commission) – Corso sugli Habitat Acquatici (Course on Aquatic Habitats) S. Antonio Mavignola and Vallesinella (Adamello-Brenta Natural Park, TN). 20-06-2009.

The large karstic springs of Rio Bianco (Stenico). A contribution to the excursion for students in Environmental Sciences and Nature Conservation of the University of Parma (Excursion Director: Prof. M. Tomaselli). Adamello-Brenta Natural Park, Italy. 16-06-2009.

Gli habitat sorgivi: sconosciuti hotspot di biodiversità acquatica minacciati da captazioni e cambiamenti climatici. Seminario per gli studenti del Dottorato di Ricerca in "Ecologia Sperimentale e Geobotanica" (credito formativo riconosciuto). Orto Botanico – Aula C. University of Pavia, Italy. 22-04-2009.

Spring habitats of the Alps: Specific biodiversity hotspots for algae –incl. cyanobacteria. Botanisches Kolloquium. Botany Institute. University of Innsbruck, Austria. 04-03-2009.

Carriera professionale di Alumni

Lukas Taxböck (Ph.D.). 2018: Full-time permanent employee «*Fachspezialist Gewässerökologie*» (macrozoobenthos- & diatom-based environmental assessments). Previously: Free-lance professional in the Environmental Sciences. Collaborating with one of the major Swiss Consultancy Societies in Freshwater Ecology (*AquaPlus* AG, Zug, Switzerland). Contract Prof. of Marine and Freshwater Ecology (Inst. Systematic Botany, *Univ. Zürich*, Switzerland). Founder and Managing Director of *ASEM - Swiss Association for the study of microflora*.

Abdullah A. Saber (Ph.D.). Tenure-track Assistant Professor at *Ain Shams University* (Cairo, Egypt). Member of UNESCO in Egypt.

Daniel Spitale (Ph.D.). Expert-Consultant (statistical analysis of ecological data) and bryologist for several research institutions (Parks, Museums) and Universities. Author of papers in top-journals in ecology. Successful free-lance professional in the Environmental Sciences. Post-Doc Research Fellow of the *MUSE Limnology & Phycology Section*. Post-doc fellow (2013-2015) of the Natural History Museum-BZ, funded by the Autonomous Province of Bolzano/Bozen, Scientific Research Dept.

Nicola Angeli (Ph.D.). 2017: Specialized Research Assistant of the *MUSE Limnology and Phycology Section*. In charge for the *MUSE SEM and Hydrochemistry labs*.

Michela Segnana (M.Sc.). Teacher in secondary schools. 2012-2016: Ph.D. in Environmental Change, University of Venice (Ph.D. position won by public competition).

Ermanno Bertuzzi (Ph.D.). 2017: Environmental Officer, Servizio Gestione Risorse Idriche APRIE-PAT. Previously: Environmental Agency of the Veneto Region. Toxic and industrial waste control. Special projects on benthic diatoms & running-water quality assessment.

Massimiliano Tardio (Ph.D.). Science communicator (specialized on biodiversity, limnology, and algae) within the *MUSE Public*

Programs Section of the Museo delle Scienze. In charge for the MUSE Limnological Station at Lake Tovel.

Alessia Scalfi (M.Sc.). Expert for educational activities and environmental interpretation of the Adamello-Brenta Nature Park.

Anna Maria Bonettini (M.Sc.). Officer of the Adamello Nature Park in charge for education & research.

Marcella Mogna (Ph.D.). Occasional collaborator of the Dept. of Env. & Life Sciences, Univ. Eastern Piedmont (Italy), and free lance diatom analyst for Environmental Agencies.

Silvia Maiorana (M.Sc.). In charge for biology labs & teacher in secondary schools.

Silvia Scola (M.Sc.). Successful ice parlor, restaurant & hotel manager.

Giorgia Corradini (M.Sc.). Informant medical representative.

Martina Battistotti (B.S.). Enrolled for a Master in Environmental Sciences. Occasional contract work for the Environmental Agency of the Autonomous Province of Trento (APPA). Educational activities and environmental interpretation for the Museo delle Scienze (MUSE) and the Adamello-Brenta Nature Park (PNAB).

Mattia Parmesani (B.S.). Enrolled for a Master in Forestry and Environmental Sciences. Educational activities and environmental interpretation for the Museo delle Scienze (MUSE): Limnological Station of the Museum at Lake Tovel in the Adamello-Brenta Nature Park (PNAB).

Chiara Santini (B.S.). Enrolled for a Master in Environmental Sciences.

Courses for teachers:

Course on Biodiversity. 2008. Progetto "Siamo tutti biodiversi?" "Percorso di autoformazione guidata: approfondimenti scientifici" a cura dei ricercatori delle Sezioni scientifiche del Museo Tridentino di Scienze Naturali. Trento:

MODULO 1 - Definizione di biodiversità attraverso approcci di tassonomia classica nell'ambito della botanica, zoologia, microbiologia e degli organismi microscopici. 13-10-2008

MODULO 4 - Specie indicatrici di salute ambientale: i bioindicatori. 10-11-2008

MODULO 6 - Adattamenti all'ambiente. 24-11-2008

MODULO 9 - Le aree ad alta biodiversità (hotspots). Le sorgenti alpine. 22-12-2008

Invited talks for the popularization of limnological topics:

Cantonati M., 2009. I laghi di montagna del Trentino. Società degli Alpinisti Tridentini (Trentino Section of the Italian Alpine Club) – Fondo (TN). Gruppo giovani e accompagnatori (14-03-2009).

In fede, 16 maggio 2019

Dr Marco Cantonati

Dr Marco Cantonati, PhD, Priv.-Doz. – Elenco completo delle pubblicazioni

(88+22+14+11+22+1+2+19+48+79+78)

Email: mcantonati@gmail.com

a) **Articoli scientifici in riviste internazionali ISI con IF (88):**

2019

88. Bolpagni R., Poikane S., Laini A., Bagella S., Bartoli M. & **Cantonati M.** 2019. Ecological and Conservation Value of Small Standing-Water Ecosystems: A Systematic Review of Current Knowledge and Future Challenges. *Water* **11**: 402. doi:10.3390/w11030402
87. Kamberović J., Plenković-Moraj A., Kralj Borojević K., Gligora Udovič M., Žutinić P., Hafner D. & **Cantonati M.** 2019. Algal assemblages in springs of different lithology (ophiolithes vs. limestone) of the Konjuh Mountain (Bosnia and Herzegovina). *Acta Botanica Croatica* **xx**: xxx-xxx. In press. DOI: <https://doi.org/10.2478/botcro-2019-0004>
86. **Cantonati M.**, Angeli N. & Lange-Bertalot H. 2019. Three new *Fragilaria* species (Bacillariophyta) from low-conductivity mountain freshwaters of the Alps and the Apennines. *Phytotaxa*. In press.
85. **Cantonati M.**, Angeli N., Lange-Bertalot H. & Levkov Z. 2019. New *Amphora* and *Halumphora* species from springs in the northern Apennines (Emilia-Romagna, Italy). *Plant Ecology and Evolution* **152**(2): xx-xx. In press.

84. Ciugulea I., Burroughs S., Defrancesco C., Spitale D., Charles D.F., Lange-Bertalot H., **Cantonati*** M. 2019. *Adlafia neoniana* (Naviculaceae), a new diatom species from forest streams in Puerto Rico. *Plant Ecology and Evolution* **152**(2): xx-xx. In press. [*Corresponding author]
83. Lai G.G., Padedda B.M., Wetzel C.E., **Cantonati** M., Sechi N., Lugliè A. & Ector L. 2019. Diatom assemblages from different substrates of the Casteldoria thermo-mineral spring (Northern Sardinia, Italy). *Botany Letters* **166**(1): 14–31. <https://doi.org/10.1080/23818107.2018.1466726>

2018

82. Saber A.A., Fučíková K., McManus H.A., Guella G. & **Cantonati** M. 2018. Novel green algal isolates from the Egyptian hyper-arid desert Oases: a polyphasic approach with a description of *Pharao desertorum* gen. et sp. nov. (Chlorophyceae, Chlorophyta). *Journal of Phycology* **54**: 342-357. DOI: 10.1111/jpy.12645
81. Niedrist H.G., **Cantonati** M. & Füreder L. 2018. Environmental harshness mediates the quality of periphyton and chironomid body mass in alpine streams. *Freshwater Science* **37**(3): 519–533. DOI: 10.1086/699480
80. Saber A.A., Mareš J., Guella G., Anesi A., Štenclová L. & **Cantonati** M. 2018. Polyphasic approach to a characteristic *Ulva* population from a limno-rheocrenic, mineral (chloride, sodium, sulphate) spring in the Siwa Oasis (Western Desert of Egypt). *Fottea* **18**(2): 227–242. DOI: 10.5507/fot.2018.008
79. **Cantonati** M., Lange-Bertalot H., Kelly M. & Angeli N. 2018. Taxonomic and ecological characterization of two *Ulnaria* species (Bacillariophyta) from streams in Cyprus. *Phytotaxa* **346**(1): 078-092. <https://doi.org/10.11646/phytotaxa.346.1.4>
78. Janse van Vuuren S., Saber A.A., Swanepoel A. & **Cantonati** M. 2018. Can the presence of curved forms of the diatom *Aulacoseira ambigua* in the Nile (Egypt) and Vaal (South Africa) Rivers be ascribed to similar water quality conditions? *African Journal of Aquatic Science* **43**(2): 111–122. <https://doi.org/10.2989/16085914.2018.1455575>
77. Saber A.A., Kouwets F.A.C., Haworth E.Y. & **Cantonati** M. 2018. A new *Euastrum* species (Conjugatophyceae, Streptophyta) from the Western Desert of Egypt. *Cryptogamie Algologie* **39**(2): 1-12. [doi/10.7872/crya/v39.iss2.2018.1](https://doi.org/10.7872/crya/v39.iss2.2018.1)
76. Saber A.A., Ballot A., Schneider S. & **Cantonati** M. 2018. Morphological and molecular features of a *Chara vulgaris* population from desert springs on the Sinai Peninsula (Springs of Moses, Egypt). *Botany Letters* **165**(1): 77-89. <https://doi.org/10.1080/23818107.2017.1352535>
75. Saber A.A., Hamed S.M., Abdel-Rahim E.F.M. & **Cantonati** M. 2018. Insecticidal prospects of algal and cyanobacterial extracts against the cotton leafworm *Spodoptera littoralis*. *Vie et Milieu - Life and Environment* **68**(4): 199-212.

2017

74. Taxböck L., Linder H.P. & **Cantonati** M. 2017. To what extent are Swiss springs refugial habitats for sensitive and endangered diatom taxa? *Water* **9**(12): 967. DOI: 10.3390/w9120967
73. Rosati M., Rossetti G., **Cantonati** M., Pieri V., Roca J. & Mesquita-Joanes F. 2017. Are aquatic assemblages from small water bodies more stochastic in dryer climates? An analysis of ostracod spring metacommunities. *Hydrobiologia* **793**: 199-212. doi:10.1007/s10750-016-2938-9
72. Saber A.A., Ichihiro K. & **Cantonati** M. 2017. Molecular phylogeny and detailed morphological analysis of two freshwater *Rhizoclonium* strains from contrasting spring types in Egypt and Italy. *Plant Biosystems* **151**(5): 800-812. DOI <http://dx.doi.org/10.1080/11263504.2016.1211195>.
71. Saber A.A., **Cantonati** M., Mareš J., Anesi A. & Guella G. 2017. Polyphasic characterization of *Westiellopsis prolifica* (Hapalosiphonaceae, Cyanobacteria) from the El-Farafra Oasis (Western Desert, Egypt). *Phycologia* **56**: 697-709. <https://doi.org/10.2216/16-107>
70. Kusber W.-H., **Cantonati** M. & Lange-Bertalot H. 2017. Validation of five diatom novelties published in “Freshwater Benthic Diatoms of Central Europe” and taxonomic treatment of the neglected species *Tryblionella hantzschiana*. *Phytotaxa* **328**: 090–094. <https://doi.org/10.11646/phytotaxa.328.1.6>
69. Wołowski K., Saber A.A. & **Cantonati** M. 2017. Euglenoids from the El Farafra Oasis (Western Desert, Egypt). *Polish Botanical Journal* **62**(2): 241–251. DOI: 10.1515/pbj-2017-0017
68. Vidaković D., **Cantonati** M., Mogna M., Jakovljević O., Sanja Šovran, Lazović V., Stojanović K., Đorđević J. & Krizmanić J. 2017. Additional information on the distribution and ecology of the recently described diatom species *Geissleria gereckeii*. *Oceanological and Hydrobiological Studies* **46**: 18-23.

2016

67. Poikane S., Kelly M.G. & **Cantonati** M. 2016. Benthic algal assessment of ecological status in European lakes and rivers: challenges and opportunities. *Science of the Total Environment* **568**: 603–613. DOI: 10.1016/j.scitotenv.2016.02.027
66. **Cantonati** M., Segadelli S., Ogata K., Tran H., Sanders D., Gerecke R., Rott E., Filippini M., Gargini A. & Celico F. 2016. A global review on ambient Limestone-Precipitating Springs (LPS): Hydrogeological setting, ecology, and

conservation. *Science of the Total Environment* **568**: 624–637. DOI: 10.1016/j.scitotenv.2016.02.105

65. **Cantonati M.**, Spitale D., Scalfi A. & Guella G. 2016. Exploring the contrasting seasonal strategies of two crenic macroalgae. *Fottea* **16**: 133–143. DOI: 10.5507/fot.2015.029
64. **Cantonati M.**, Angeli N., Spitale D. & Lange-Bertalot H. 2016. A new *Navicula* (Bacillariophyta) species from low-elevation carbonate springs affected by anthropogenic disturbance. *Fottea* **16**: 255–269. DOI: 10.5507/fot.2016.013 With supplementary materials (Plate & Table).
63. Mareš J. & **Cantonati M.** 2016. Phylogenetic position of *Geitleribactron purpureum* (Synechococcales, Cyanobacteria) and its implications for the taxonomy of Chamaesiphonaceae and Leptolyngbyaceae. *Fottea* **16**: 104–111. DOI: 10.5507/fot.2016.002
62. **Cantonati M.**, Metzeltin D., Soninkhishig N. & Lange-Bertalot H. 2016. Unusual occurrence of a *Didymosphenia* bloom in a lentic habitat: Observation of *Didymosphenia laticollis* blooming on the eastern shore of Lake Hövsgöl (Mongolia). *Phytotaxa* **263**: 139–146. <http://dx.doi.org/10.11646/phytotaxa.00.0.0>
61. Letáková M., **Cantonati M.**, Hašler P., Nicola A., Poulíčková A. (2016) Substrate specificity and fine-scale distribution of epiphytic diatoms in a shallow tarn in the Brenta Dolomites (south-eastern Alps). *Plant Ecology and Evolution* **149**: 144–156. <http://dx.doi.org/10.5091/plecevo.2016.1206>
60. Saber A.A., **Cantonati M.**, Vis M.L., Anesi A. & Guella G. 2016. Multifaceted characterization of a *Lemanea fluviatilis* population (Batrachospermales, Rhodophyta) from a glacial stream in the south-eastern Alps. *Fottea* **16**: 234–243.
59. Rosati M., **Cantonati M.**, Fenoglio S., Segadelli S., Levati & Rossetti G. 2016. Is there an ideal protocol for sampling macroinvertebrates in springs? *Journal of Freshwater Ecology* **31**: 199-209. DOI 10.1080/02705060.2016.1149892

2015

58. **Cantonati M.**, Komárek J. & Montejano G. 2015. Cyanobacteria in ambient springs. *Biodiversity and Conservation* **24**: 865-888. DOI: 10.1007/s10531-015-0884-x
57. Leira M., Fillippi M.L., & **Cantonati M.** 2015. Diatom community response to extreme water-level fluctuations in two Alpine lakes: a core case study. *Journal of Paleolimnology* **53**: 289–307. DOI: 10.1007/s10933-015-9825-7
56. Spitale D., Angeli N., Lencioni V., Tolotti M. & **Cantonati*** M. 2015. Comparison between natural and impacted Alpine lakes six years after hydropower exploitation has ceased. *Biologia* **70**: 1597-1605. DOI: 10.1515/biolog-2015-0185. [*Corresponding author]
55. Jüttner I., Williams D.M., Levkov Z., Falasco E., Battezzare M., **Cantonati M.**, Van de Vijver B., Angele C. & Ector L. 2015. Reinvestigation of the type material for *Odontidium hyemale* (Roth) Kützing and related species, with description of four new species in the genus *Odontidium* (Fragilariaceae, Bacillariophyta). *Phytotaxa* **234**: 1-36. DOI 10.11646/phytotaxa.234.1.1
54. Mogna M., **Cantonati*** M., Andreucci F., Angeli N., Berta G. & Miserere L. 2015. Diatom communities and vegetation of springs in the south-western Alps. *Acta Botanica Croatica* **74**: 265-285. DOI 10.1515/botcro-2015-0024 [*Corresponding author]

2014

53. **Cantonati M.**, Virtanen L., Angeli N., Wojtal A., Gabrieli J., Falasco E., Lavoie I., Morin S., Marchetto A., Fortin C. & Smirnova S. 2014. *Achnantheidium minutissimum* (Bacillariophyta) valve deformities as indicators of metal enrichment in diverse widely-distributed freshwater habitats. *Science of the Total Environment* **475**: 201-215. DOI: 10.1016/j.scitotenv.2013.10.018
52. Spitale D., Scalfi A. & **Cantonati M.** 2014. Urbanization effects on the shoreline phytobenthos: A multiscale approach at lake extent. *Aquatic Sciences* **76**: 17–28. DOI: 10.1007/s00027-013-0307-6
51. **Cantonati M.** & Lowe R.L. 2014. Lake benthic algae: toward an understanding of their ecology. *Freshwater Science* **33**: 475-486. DOI: 10.1086/676140
50. **Cantonati M.**, G. Guella, D. Spitale, N. Angeli, A. Borsato, V. Lencioni, and M. L. Filippi. 2014. The contribution of lake benthic algae to the sediment record in a carbonate mountain lake influenced by marked natural water-level fluctuations. *Freshwater Science* **33**: 499-512. DOI: 10.1086/676471
49. **Cantonati M.**, G. Guella, J. Komárek, and D. Spitale. 2014. Depth-distribution of epilithic cyanobacteria and pigments in a mountain lake characterized by marked water-level fluctuations. *Freshwater Science* **33**: 537-547. DOI: 10.1086/675930
48. **Cantonati M.**, Komárek J., Hernández-Mariné M. & Angeli N. 2014. New and poorly-known coccoid species (Cyanoprokaryota) from the mid-depth and deep epilithon of a carbonate mountain lake. *Freshwater Science* **33**: 548-556. DOI: 10.1086/675931
47. Mareš J., **Cantonati*** M., Spitale D. & Guella G. 2014. The benthic chlorophyte genus *Jaoa* (Ulvales), a putative China endemic, in Lake Garda, Italy: ecology, taxonomy, and molecular analyses. *Freshwater Science* **33**: 593-605. [*Corresponding author] DOI: 10.1086/675860

46. Rosati M., **Cantonati** M., Primicerio R. & Rossetti G. 2014. Biogeography and relevant ecological drivers in spring habitats: A review on ostracods of the Western Palearctic. *International Review of Hydrobiology* **99**: 1-16. DOI: 10.1002/iroh.201301726

2012

45. Spitale D., Scalfi A. & **Cantonati** M. 2012. Niche partitioning, shape of species response, and diversity in the phytobenthos across the rocky shoreline of a large peri-Alpine lake. *Journal of Great Lakes Research* **38**: 620–627. DOI: 10.1016/j.jglr.2012.09.007
44. Spitale D., Scalfi A., Angeli N. & **Cantonati*** M. 2012. Fine-scale spatial patterns of mature and immature filaments and bioorganic compounds of the rhodophyte *Bangia atropurpurea* in the supra- and eulittoral zones of a large lake. *Journal of Phycology* **48**: 1530-1534. [*Corresponding author] DOI: 10.1111/j.1529-8817.2012.01180.x
43. **Cantonati** M., Füreder L., Gerecke R., Jüttner I. & Cox E.J. 2012. Crenic habitats, hotspots for freshwater biodiversity conservation: toward an understanding of their ecology. *Freshwater Science* (formerly *Journal of the North American Benthological Society*) **31**: 463-480. DOI: 10.1899/11-111.1
[featured as Key Research Article on Environment Progress]
42. **Cantonati** M., Rott E., Spitale D., Angeli N. & Komárek J. 2012. Are benthic algae related to spring types? *Freshwater Science* **31**: 481-498. DOI: 10.1899/11-048.1
41. **Cantonati** M., Angeli N., Bertuzzi E., Spitale D. & Lange-Bertalot H. 2012. Diatoms in springs of the Alps: spring types, environmental determinants, and substratum. *Freshwater Science* **31**: 499-524. DOI: 10.1899/11-065.1
40. Spitale D., Lencioni V. & **Cantonati** M. 2012. Relative importance of space and time in determining the biotic structure in the upper part of spring-fed streams. *Freshwater Science* **31**: 586-598. DOI: 10.1899/10-037.1
39. Spitale D., Leira M., Angeli N. & **Cantonati** M. 2012. Environmental classification of springs of the Italian Alps and its consistency across multiple taxonomic groups. *Freshwater Science* **31**:563-574. DOI: 10.1899/10-038.1
38. **Cantonati** M., Leira M., Angeli N. & López Rodríguez C. 2012. *Naviculadicta langebertalotii* sp. nov. (Bacillariophyta) from streams in Galicia (N-W Spain). *Lange-Bertalot Festschrift. Nova Hedwigia, Beiheft* **141**: 71-80.
37. Rott E., Hotzy R., **Cantonati** M. & Sanders D. 2012. Calcification types of *Oocardium stratum* Nägeli and microhabitat conditions in springs of the Alps. *Freshwater Science* **31**:610-624. DOI: 10.1899/11.084.1

2011

36. **Cantonati** M. & Lange-Bertalot H. 2011. Diatom monitors of close-to-pristine, very-low alkalinity habitats: three new *Eunotia* species from springs in Nature Parks of the south-eastern Alps. *Journal of Limnology* **70**: 209-221. DOI: 10.4081/jlimnol.2011.209
35. Spitale D., Scalfi A., Lange-Bertalot H. & **Cantonati*** M. 2011. Using different epilithic-diatom assemblage metrics for an ecological characterization of the shores of Lake Garda. *Journal of Limnology* **70**: 197-208. [*Corresponding author] DOI: 10.4081/jlimnol.2011.197
34. Nascimbene J., Spitale D., Thüs H. & **Cantonati** M. 2011. Congruencies between photoautotrophic groups in springs of the Italian Alps: implications for conservation strategies. *Journal of Limnology* **70**(Suppl. 1): 3-8. DOI: 10.4081/jlimnol.2011.s1.3
33. Filippi M.L., Piliposian G., Marziali L., Angeli N., Lencioni V. & **Cantonati** M. 2011. Is it possible to study palaeoenvironmental changes in Alpine spring habitats? A few examples from the south-eastern Alps (NE Italy). *Journal of Limnology* **70**(Suppl. 1): 155-167. DOI: 10.4081/jlimnol.2011.s1.155
32. Gerecke R., **Cantonati** M., Spitale D., Stur E. & Wiedenbrug S. 2011. The challenges of long-term ecological research in springs in the northern and southern Alps: indicator groups, habitat diversity, and medium term change. *Journal of Limnology* **70**(Suppl. 1): 168-187. DOI: 10.4081/jlimnol.2011.s1.168
31. Spitale D. & **Cantonati** M. 2011. Understanding the natural variability of diatom assemblages in springs of the Adamello-Brenta Nature Park (south-eastern Alps) on a temporal scale. *Fundamental and Applied Limnology* **179/2**: 137-149. DOI: 10.1127/1863-9135/2011/0179-0137
30. **Cantonati** M., Lange-Bertalot H., Decet F. & Gabrieli J. 2011. Diatoms in very-shallow pools of the site of community importance Danta di Cadore Mires (south-eastern Alps), and the potential contribution of these habitats to diatom biodiversity conservation. *Nova Hedwigia* **93**: 475-507. DOI: 10.1127/0029-5035/2011/0093-0475

2010

29. **Cantonati** M., Lange-Bertalot H., Scalfi A. & Angeli N. 2010. *Cymbella tridentina* sp. nov. (Bacillariophyta), a crenophilous diatom from carbonate springs of the Alps. *Journal of the North American Benthological Society* **29**:

775-788. DOI: 10.1899/09-077.1

28. **Cantonati M.**, Lange-Bertalot H. & Angeli N. 2010. *Neidiomorpha* gen. nov. (Bacillariophyta): A new freshwater diatom genus separated from *Neidium* Pfitzer. *Botanical Studies* **51**: 195-202.
27. **Cantonati M.** & Lange-Bertalot H. 2010. Diatom biodiversity of springs in the Berchtesgaden National Park (northern Alps, Germany), with the ecological and morphological characterization of two species new to science. *Diatom Research* **25**: 251-280. DOI: 10.1080/0269249X.2010.9705849
26. Angeli N., **Cantonati M.**, Spitale D. & Lange-Bertalot H. 2010. A comparison between diatom assemblages in two groups of carbonate, low-altitude springs with different levels of anthropogenic disturbances. *Fottea* **10**(1): 115-128. DOI: 10.5507/fot.2010.006

2009

25. **Cantonati M.**, Scola, S., Angeli, N., Guella, G. and Frassanito, R. 2009. Environmental controls of epilithic diatom depth-distribution in an oligotrophic lake characterised by marked water-level fluctuations. *European Journal of Phycology* **44**: 15-29. DOI: 10.1080/09670260802079335
24. **Cantonati M.**, Van de Vijver B. & Lange-Bertalot H. 2009. *Microfissurata* gen. nov. (Bacillariophyta), a new diatom genus from dystrophic and intermittently-wet terrestrial habitats. *Journal of Phycology* **45**: 732-741. DOI: 10.1111/j.1529-8817.2009.00683.x
23. **Cantonati M.** & Lange-Bertalot H. 2009. *Geissleria gerecke* sp. nov. (Bacillariophyta) from leaf-litter covered stones of very shaded carbonate mountain springs with extremely low discharge. *Phycological Research* **57**: 171-177.
22. **Cantonati M.** & Lange-Bertalot H. 2009. On the ultrastructure of *Chamaepinnularia schaupiana* Lange-Bertalot & Metzeltin (Naviculaceae s. l.). *Diatom Research* **24**: 225-231. DOI: 10.1080/0269249X.2009.9705793
21. **Cantonati M.** & Spitale D. 2009. The role of environmental variables in structuring epiphytic and epilithic diatom assemblages in springs and streams of the Dolomiti Bellunesi National Park (south-eastern Alps). *Fundamental and Applied Limnology – Archiv für Hydrobiologie* **174**: 117-133. DOI: 10.1127/1863-9135/2009/0174-0117
20. Tolotti M., Forsström L., Morabito G., Thaler B., Stoyneva M., **Cantonati M.**, Šiško M. & Lotter A. 2009. Biogeographical characterisation of phytoplankton assemblages in high altitude, and high latitude European lakes. In (J. Catalan, C.J. Curtis & M. Kernan Eds.) *Patterns and factors of biota distribution in remote European lakes. Advances in Limnology* **62**: 55-75.

2008

19. Leira M. & **Cantonati M.** 2008. Effects of water-level fluctuations on lakes: an annotated bibliography. *Hydrobiologia* **613**: 171-184. DOI: 10.1007/s10750-008-9465-2
18. Wantzen K.M., Rothhaupt K.-O., Mörtl M., **Cantonati M.**, László T. & Fischer P. 2008. Ecological effects of water-level fluctuations in lakes: An urgent issue. *Hydrobiologia* **613**: 1-4. DOI: 10.1007/978-1-4020-9192-6_1
17. Frassanito R., **Cantonati M.**, Flaim G., Mancini I. & Guella G. 2008. A new method for the identification and the structural characterisation of carotenoid esters in freshwater microorganisms by liquid chromatography/electrospray ionisation tandem mass spectrometry. *Rapid Commun. Mass Spectrom.* **22**: 3531-3539. DOI: 10.1002/rcm.3761
16. **Cantonati M.** 2008. Cyanoprokaryotes and algae other than diatoms in springs and streams of the Dolomiti Bellunesi National Park (Northern Italy). *Algological Studies (Suppl. Arch. Hydrobiol.)* **126**: 113-136.

2007

15. Rimet F., Gomà J., Bertuzzi E., **Cantonati M.**, Cappelletti C., Ciutti F., Cordonier A., Coste M., Tison J., Tudesque L., Vidal H. & Ector L. 2007. Benthic diatoms in western European streams with altitudes over 800 m: Characterisation of the main assemblages and correspondence with ecoregions. *Diatom Research* **22**: 147-188. DOI: 10.1080/0269249x.2007.9705702

2006

14. **Cantonati M.**, Gerecke R. & Bertuzzi E. 2006. Springs of the Alps - sensitive ecosystems to environmental change: from biodiversity assessments to long-term studies. In: Lami, A. & A. Boggero (Eds.), Ecology of high altitude aquatic systems in the Alps, Developments of Hydrobiology. *Hydrobiologia* **562**: 59-96. DOI: 10.1007/s10750-005-1806-9
13. **Cantonati M.** & Lange-Bertalot H. 2006. *Achnantheidium dolomiticum* sp. nov. (Bacillariophyta) from oligotrophic

mountain springs and lakes fed by dolomite aquifers. *Journal of Phycology* **42**: 1184-1188. DOI: 10.1111/j.1529-8817.2006.00281.x

12. Rott E., **Cantonati M.**, Füreder L. & P. Pfister, 2006. Benthic algae in high altitude streams of the Alps – a neglected component of aquatic biota. Developments of Hydrobiology, Ecology of high altitude aquatic systems in the Alps (eds: Lami, A. & A. Boggero). *Hydrobiologia* **562**: 195-216. DOI: 10.1007/s10750-005-1811-z
11. Tardio M., Sangiorgi F., Brinkhuis H., Filippi M.L., **Cantonati M.** & Lotter A.F. 2006. Peridinioid dinoflagellate cysts in a Holocene high-mountain lake deposit in Italy. *Journal of Paleolimnology* **36**: 315-318. DOI 10.1007/s10933-006-9001-1.

2005

10. Spitale D., Tardio M. & **Cantonati M.** 2005. Competition between a planktonic diatom and a dinoflagellate during enclosure experiments in a mountain lake. *Phycologia* **44**: 320-327. DOI: 10.2216/0031-8884(2005)44[320:CBAPDA]2.0.CO;2
9. Kulbe T., Anselmetti F., **Cantonati M.** & Sturm M. 2005. Environmental history of Lago di Tovel, Trento, Italy, revealed by sediment cores and 3.5 kHz seismic mapping. *Journal of Paleolimnology* **34**: 325-337. DOI: 10.1007/s10933-005-5022-4
8. Frassanito R., **Cantonati M.**, Tardio M., Mancini I. & Guella G. 2005. On-line identification of secondary metabolites in freshwater microalgae and cyanobacteria by combined liquid chromatography-photodiode array detection-mass spectrometric techniques. *Journal of Chromatography A* **1082**: 33-42.

2003

7. Tardio M., Tolotti M., Novarino G. & **Cantonati M.** 2003. Ecological and taxonomic observations on the flagellate algae characterising four years of enclosure experiments in Lake Tovel (Southern Alps). *Hydrobiologia* **502**: 285-296.
6. **Cantonati M.**, Tardio M., Tolotti M. & Corradini F. 2003. Blooms of the dinoflagellate *Glenodinium sanguineum* obtained during enclosure experiments in Lake Tovel (N. Italy). *Journal of Limnology* **62**: 79-87.
5. **Cantonati M.** & Angeli N. 2003. New findings on the ecology and ultrastructure of *Cymbella ancyli* Cleve. *Diatom Research* **18**: 375-377.
4. Tolotti M., Thies H., **Cantonati M.** & D. Tait 2003. Flagellate algae (Cryptophyceae, Chrysophyceae, Dinophyceae) in 48 high mountain lakes of the Northern and Southern slope of the Eastern Alps: Diversity, distribution and driving variables. *Hydrobiologia* **502**: 331-348.

2001

3. **Cantonati M.**, Corradini G., Jüttner I. & Cox E.J. 2001. Diatom assemblages in high mountain streams of the Alps and the Himalaya. *Nova Hedwigia* **123**: 37-62.

1998

2. **Cantonati M.** 1998. Diatom communities of springs in the Southern Alps. *Diatom Research* **13**: 201-220.

1996

1. **Cantonati M.**, Rott E. & Pipp E. 1996. Ecology of cyanophytes in mountain springs of the River Sarca catchment (Adamello-Brenta Regional Park, Trentino, Northern Italy). *Archiv für Hydrobiologie, Supplement Algological Studies* **83**: 145-162.

b) Volumi speciali di riviste internazionali, capitoli di libri e libri (22):

2020

22. **Cantonati M.**, Kelly M.G., Spaulding S.A. & Zgrundo A. (Guest Eds.). 2020. Algae in assessment and monitoring: approaches and perspectives. *Ecological Indicators*. Special Issue **xx(x)**: xxx-xxx.

2019

21. **Cantonati M.** & Zohary T. (Guest Eds.). 2019. Understanding the ecological impacts of water-level fluctuations

(WLF) for sustainable lake and reservoir management. *Inland Waters*. Special series of papers **xxx**: xxx-xxx.

20. **Cantonati M.**, Stevens L., Pringle C.M., Turak E. & Poikane S. (Guest Eds.). 2019. Multiplicity, characteristics, main impacts, and stewardship of natural and artificial freshwater environments: Consequences for biodiversity conservation. *Water*. Special Issue **xx(x)**: xxx-xxx.

2016

19. **Cantonati M.**, Stevenson J.R., Sabater S. & Kelly M.G. (Guest Eds.). 2016. The relevance and potential of benthic algae for present-day freshwater ecological assessments. *The Science of the Total Environment*. Virtual Special Issue **xx(x)**: xxx-xxx.
18. **Cantonati M.** & Poulíčková A. (Guest Eds.). 2016. The International Workshop on Benthic Algae Taxonomy Proceedings. *Fottea*. Special series of papers **16(1-2)**: 104-143(Part I)&234-265(Part II).

2015

17. **Cantonati M.**, Kelly M.G., Rott E., Sabater S., Stevenson J.R., Whitton B.A., Schneider S., Shubert L.E., Van de Vijver B., Vis M.L., Angeli N. 2015. *Abstract Book of the international congress 9th Use of Algae for Monitoring Rivers and comparable habitats (9th UAMRICH), and of the International Workshop on Benthic Algae Taxonomy (InBAT)*. Museo delle Scienze - MUSE. Trento, Italy, June 15-19 2015. 111 pp. ISBN 978-88-531-0037-5

2014

16. **Cantonati M.**, Lowe R.L., DeNicola D. & Kelly M.G. (Guest Eds.). 2014. The Ecology of Lake Benthic Algae. *Freshwater Science*. Special series of papers **33(2)**: 475-669.

2012

15. **Cantonati M.**, Füreder L., Jüttner I. & Cox E.J. (Guest Eds.). 2012. The Ecology of Springs. *Freshwater Science*. Special series of papers **31(2)**: 463-668.

2011

14. **Cantonati M.**, Gerecke R., Jüttner I. & Cox E.J. (Guest Eds.), 2011. Springs: Neglected Key Habitats for Biodiversity Conservation. *J. Limnol.* **70**(Suppl. 1). 187 pp.
13. **Cantonati M.**, Gerecke R., Jüttner I. & Cox E.J. 2011. Introduction to the Special Issue. Acknowledgements. *Journal of Limnology* **70**(Suppl. 1): 1-2.

2009

12. **Cantonati M.** (Ed.), 2009. Papers presented at the 2nd Central European Diatom Meeting, and submitted for publication on Studi Trentini di Scienze Naturali. Studi Trentini di Scienze Naturali – Special series of papers, **84**: 103-160.

2008

11. Wantzen K.M., Rothhaupt K.-O., Mörtl M., **Cantonati M.**, László G.-T., Fischer P. (eds.), 2008. Ecological Effects of Water-Level Fluctuations in Lakes. *Developments of Hydrobiology, Hydrobiologia*, 613: 1-184. Springer. DOI: 10.1007/978-1-4020-9192-6
10. **Cantonati M.**, Scalfi A. & Bertuzzi E. (eds), 2008. *Abstract Book of the 2nd Central European Diatom Meeting (CEDIATOM2)*. Museo delle Scienze. Trento, Italy, 12-15 June 2008. 98 pp.

2007

9. **Cantonati M.**, Bertuzzi E. & Spitale D. (eds), 2007. *The spring habitat: biota and sampling methods*. Museo Tridentino di Scienze Naturali, Trento. Monografie del Museo Tridentino di Scienze Naturali, 4. 350 pp.
8. **Cantonati M.**, Rott E., Pfister P. & Bertuzzi E. 2007. Benthic algae in springs of the Alps: biodiversity and sampling methods. In: Cantonati M., Bertuzzi E. & Spitale D. (Eds.), *The spring habitat: biota and sampling methods. Monografie del Museo Tridentino di Scienze Naturali* **4**: 77-112. Museo Tridentino di Scienze Naturali, Trento.
7. **Cantonati M.**, Decet F., Corradini F. & Bertuzzi E. 2007. The significance of chemical and physical factors influencing the ecology of springs, and a case study in the south-eastern Alps (Dolomiti Bellunesi National Park). In: Cantonati

M., Bertuzzi E. & Spitale D. (Eds.), The spring habitat: biota and sampling methods. *Monografie del Museo Tridentino di Scienze Naturali* **4**: 45-76. Museo Tridentino di Scienze Naturali, Trento.

6. Spitale D., Bertuzzi E. & **Cantonati** M., 2007 - How to investigate the ecology of spring habitats on the basis of experiences gained from a multidisciplinary project (CRENODAT). In: Cantonati M., Bertuzzi E. & Spitale D., *The spring habitat: biota and sampling methods*. Museo Tridentino di Scienze Naturali, Trento: 19-30 (Monografie del Museo Tridentino di Scienze Naturali, 4).
5. Gerecke R., Maiolini B. & **Cantonati** M. 2007. Collecting meio- and macrozoobenthos in springs. In: Cantonati M., Bertuzzi E. & Spitale D. (Eds.), *The spring habitat: biota and sampling methods. Monografie del Museo Tridentino di Scienze Naturali* **4**: 265-274. Museo Tridentino di Scienze Naturali, Trento.
4. **Cantonati** M., Moreschini R., Bertuzzi E. & Oss Cazzador P. 2007. Detailed spring inventory of two areas of special interest for nature conservation within the Adamello-Brenta Natural Park (south-eastern Alps, Trentino, Italy). In: Cantonati M., Bertuzzi E. & Spitale D. (Eds.), *The spring habitat: biota and sampling methods. Monografie del Museo Tridentino di Scienze Naturali* **4**: 327-334. Museo Tridentino di Scienze Naturali, Trento.
3. Bertuzzi E. & M. **Cantonati**, 2007. Le diatomee bentoniche – Die Benthosdiatomeen – In: "Studio della qualità delle acque dei piccoli laghi alpini" – "Untersuchung der Wasserqualität der kleinen Alpenseen", Capitolo 11: 251-269. INTERREG IIIA Italia-Austria 2000-2006 (VEN 111059). Fondazione Giovanni Angelini. Centro Studi sulla Montagna.

2001

2. **Cantonati** M., 2001- The diatom communities of the liverwort *Chiloscyphus polyanthos* var. *rivularis* in a mountain spring-fed stream in the Adamello-Brenta Regional Park (Northern Italy). – In: Jahn, R., J.P. Kociolek, A. Witkowski & P. Compère (eds): *Lange-Bertalot-Festschrift*: 353-368. Gantner, Ruggell. – ISBN 3-904144-26-X.

1996

1. **Cantonati** M & R. Sconfiatti, 1996 - Short term evolution of the zooplankton community in a lateral fluvial ecosystem - In "*Wetlands: A Multiapproach Perspective*" (J. Cruz-Sanjulián and J. Benavente Eds.). Water Research Institute, University of Granada (Spain): 131-144.

c) Research Articles on International Refereed Proceedings (14):

2010

14. Cantonati, M., Bertuzzi E., and A. Scalfi. 2010. CRENODAT (Biodiversity Assessment and Integrity Evaluation of Springs of Trentino -Italian Alps- and Long-term Ecological Research): Project Design and Preliminary Results. Pages:121-132 in E. Beheim, G. S. Rajwar, M. Haigh and J. Krecek (editors). *Integrated Watershed Management: Perspectives and Problems (Proceedings of the Headwater '05 Conference, Bergen, Norway, June 2005)*. Springer Publishers, Netherlands.

2009

13. **Cantonati** M., Bertuzzi E., Scalfi A. & Campana V. 2009. The potential importance for spring conservation of residual habitats after flow capturing: A case study. *Verh. Internat. Verein. Limnol.* **30**: 1267–1270.
12. Gerecke R., Franz H. & **Cantonati** M. 2009. Invertebrate diversity in springs of the National Park Berchtesgaden (Germany): relevance for long-term monitoring. *Verhandlungen der Internationalen Vereinigung für theoretische und angewandte Limnologie* **30**:1229–1233.

2008

11. Filippi M.L., Angeli N., Marziali L., Matouk A.H.I., Bertuzzi E., Lencioni V. & **Cantonati** M. 2008. Paleolimnological techniques applied to spring habitats: Challenges and limits as highlighted by the CRENODAT Project (south-eastern Alps, Italy). *Verhandlungen der Internationalen Vereinigung für theoretische und angewandte Limnologie* **30**: 329-332.

2005

10. **Cantonati** M., Bertuzzi E., Gerecke R., Ortler K. & Spitale D. 2005. Long-term ecological research in springs of the Italian Alps: six years of standardised sampling. *Verhandlungen der Internationalen Vereinigung für theoretische und angewandte Limnologie*, **29**: 907-911.
9. Angeli N. & **Cantonati** M. 2005. Depth-distribution of surface sediment diatoms in Lake Tovel, Italy. *Verhandlungen der Internationalen Vereinigung für theoretische und angewandte Limnologie* **29**: 539-544.
8. Tardio M., Spitale D. & **Cantonati** M. 2005. Vertical migration of a dinoflagellate in a column shaped enclosure in Lake Tovel (Adamello-Brenta Natural Park, Italian Alps). *Verhandlungen der Internationalen Vereinigung für theoretische und angewandte Limnologie* **29**: 143-146.

2004

7. **Cantonati** M., Bertuzzi E., Angeli N. & Parola E. 2004. Mouseia®, a museum relational database application for the management of diatom collections. *Seventeenth International Diatom Symposium 2002*, Ottawa, Canada (M. Poulin, ed.): 27-34. Biopress Limited, Bristol, 2004.

2000

6. **Cantonati M.** & Pipp E. 2000. Longitudinal and seasonal differentiation of epilithic diatom communities in the uppermost sections of two mountain spring-fed streams. *Verhandlungen der Internationalen Vereinigung für theoretische und angewandte Limnologie* **27**: 1591-1595.
5. Tolotti M. & **Cantonati M.** 2000. Temporal and vertical variations of chlorophyll concentrations in high mountain lakes of the Adamello-Brenta Regional Park (Trentino, Italy). *Verhandlungen der Internationalen Vereinigung für theoretische und angewandte Limnologie* **27**: 521-526.

1999

4. **Cantonati M.** 1999. A student course describing the late summer situation of a mountain lake (lake Tovel, 1178 m a.s.l., Southern Alps). *Proceedings of Lake99*, Volume II, S16A-4. 17-21 May 1999, Copenhagen, Denmark.
3. Tolotti M, **Cantonati M.** & Corradini F. 1999. Investigating dinophyte blooms with P-enriched enclosures in a mountain lake (lake Tovel, Southern Alps, Italy). *Proceedings of Lake99*, Volume II, S16B-5. 17-21 May 1999, Copenhagen, Denmark.

1998

2. **Cantonati M.** & Ortler K. 1998. Using spring biota of pristine mountain areas for long term monitoring - *Hydrology, Water Resources and Ecology in Headwaters (Proceedings of the Headwater'98 Conference held at Merano/Meran, Italy, April 1998)*. *IAHS Publ.* **248**: 379-385.

1996

1. Bonettini A.M. & **Cantonati M.** 1996. Macroinvertebrate assemblages of springs of the River Sarca catchment (Adamello-Brenta Regional Park, Trentino, Italy). *Crunoecia* **5**: 71-78.

d) **Textbooks or book chapters, and identification books that can be used as aquatic-science teaching material. Multilingual** (11) [review papers, that are also useful as teaching materials, are listed in the appropriate sections and not repeated here]:

2019

12. **Cantonati M.**, Kelly M.G. & Werum M. 2019. Freshwater diatoms. An introductory guide to the genera of Europe and North America. M. **Cantonati**, M.G. Kelly, H. Lange-Bertalot, J.P. Kociolek (Eds.). Koeltz Botanical Books. 250 pp.

2017

11. Lange-Bertalot H., Hofmann G., Werum M. & **Cantonati M.** 2017. **Freshwater Benthic Diatoms of Central Europe: Over 800 Common Species Used in Ecological Assessment.** M. **Cantonati**, M.G. Kelly & H. Lange-Bertalot (Eds.): 942 pp. Koeltz Botanical Books (ISBN 978-3-946583-06-6). English edition with updated taxonomy and added species of: Hofmann G., Werum M. & Lange-Bertalot H. 2013. Diatomeen im Süßwasser-Benthos von Mitteleuropa. Bestimmungsfloren Kieselalgen für die ökologische Praxis. Über 700 der häufigsten Arten und ihre Ökologie. Lange-Bertalot, H. (Ed.): 908 pp. 2. korrigierte Aufl. Koeltz Botanical Books.

2015

10. Martin, P., Gerecke, R. & **Cantonati**, M. 2015. *Quellen*. In: Brendelberger, H., Martin, P., Brunke, M. & Hahn H. J. (Hrsg.): *Grundwassergeprägte Lebensräume - Eine Übersicht über Grundwasser, Quellen, das hyporheische Interstitial und weitere Habitate. Limnologie aktuell* **14**: 49-132. Schweizerbart Science Publishers. ISBN 978-3-510-53012-0

2013

9. **Cantonati M.** 2013. Contributions to the Italian version of the Eight Edition of T.M. Smith, R.L. Smith *Elements of Ecology*. In particular the informative box on the peculiar characteristics of spring habitats. *Tra laghi e fiumi: le sorgenti, habitat minacciati dal cambiamento climatico*. In: Occhipinti-Ambrogi A. & A. Marchini (a cura di) *Elementi di Ecologia*: 580-582 (Cap. 25). Edizione Italiana dell'Ottava edizione. Pearson. 795 pp.

2007

8. Occhipinti-Ambrogi A., Badino G., **Cantonati M.** (Eds) 2007. *Elementi di Ecologia. Italian Edition of T.M. Smith, R.L. Smith Elements of Ecology*. Sixth edition. M. Pearson Paravia Bruno Mondadori S.p.A. 706 pp. [editing and translation of chapters 1, 2, 3, 4, 5, 6, 7, 16, 17, 18, 19]. ISBN 978-88-7192-350-5
7. **Cantonati M.** 2007. Tra laghi e fiumi: le sorgenti, habitat minacciati dal cambiamento climatico. In: Occhipinti-Ambrogi A., Badino G., **Cantonati M.** (a cura di) *Elementi di Ecologia*: 511-513 (Cap. 24). Edizione Italiana di T.M. Smith, R.L. Smith *Elements of Ecology*. Sesta edizione. M. Pearson Paravia Bruno Mondadori S.p.A. 706 pp. [3-printed-pages informative box on the peculiar characteristics of spring habitats purposely prepared by the Author for the Italian Edition of the textbook]

2006

6. **Cantonati M.** 2006. Flora. In: F. Stoch (Ed.), **High-altitude lakes. Quaderni habitat** **14**: 45-65. Ministero dell'Ambiente e della Tutela del Territorio. Museo Friulano di Storia Naturale. English Edition: Italian Habitats. ISBN 88 88192 28 X
5. **Cantonati M.**, Lapini L., Paradisi S. & Stoch F. 2006. Conservation and management. In: F. Stoch (Ed.), High-altitude lakes. *Quaderni habitat* **14**: 123-135. Ministero dell'Ambiente e della Tutela del Territorio. Museo Friulano di Storia Naturale. English Edition: Italian Habitats. ISBN 88 88192 25 5

2005

4. **Cantonati M.** 2005. Algae. In: F. Stoch (Ed.), **Pools, ponds and marshes. Quaderni habitat** **11**: 28-37. English Edition: Italian Habitats. Ministero dell'Ambiente e della Tutela del Territorio. Museo Friulano di Storia Naturale. ISBN 88 88192 22 0

2003

3. **Cantonati M.** & Ortler K. 2003. Flora and vegetation. In: F. Stoch (Ed.), **Mountain streams – Life in running waters, Italian habitats 5:** 29-55. Ministero dell’Ambiente e della Tutela del Territorio. Museo Friulano di Storia Naturale. English Edition: Italian Habitats. ISBN 88 88192 10 7.

1998

2. **Cantonati M.** (Ed.), 1998 - Le sorgenti del Parco Adamello-Brenta (In Italian with English and German summaries). *Parco Documenti*, 11. Publisher and distributor: Parco Adamello-Brenta, Via Nazionale 12, I-38080 Strembo (Trento). 177 pp.
1. **Cantonati M.**, 1998 - 2. La microflora - In: *Le sorgenti del Parco Adamello-Brenta* (M. Cantonati ed.): 55-101. Parco Adamello Brenta Documenti, 11.

e) Research Articles on Refereed National ISI Journals & National Refereed Proceedings and Reports (22):

2017

22. Marchetto A. & **Cantonati M.** 2017. Nascita e sviluppi della limnologia alpina. Atti Meeting *L’acqua nelle terre alte: un percorso di ricerca attraverso il sistema alpino:* 11-13. Verbania Pallanza - CNR ISE, December 4th 2015. CNR Edizioni. ISBN 978 88 8080 263 1

2016

21. Stocchetti E., Armanini D.G., Angeli N., Spitale D., **Cantonati M.**, Kelly M. & Dörflinger G. 2016. Analysis of riverine diatoms from Cyprus: a first overview of the assemblage composition and ecological status estimates. *IRSA-CNR Notiziario dei metodi analitici* 2016(2): 90-99.

2014

20. Viaroli P., Basset A., Bartoli M., Boggero A., **Cantonati M.** et al. 2014. Ecosistemi di acque interne e di transizione. In Castellari S. et al. (Eds.) *Rapporto sullo stato delle conoscenze scientifiche su impatti, vulnerabilità ed adattamento ai cambiamenti climatici in Italia:* 299-329. Ministero dell’Ambiente e della Tutela del Territorio e del Mare, Roma.

2011

19. Angeli N., **Cantonati M.**, Spitale D. & Lange-Bertalot H. 2011. Studio ecologico e floristico delle diatomee di sorgenti carbonatiche del bacino del Fiume Adige influenzate da disturbi antropici. *Memorie del Museo Civico di Storia Naturale di Verona*. In press.

2004

18. **Cantonati M.** 2004. Le diatomee di tre sorgenti del Parco Naturale delle Prealpi Giulie (Italia nord-orientale). *Gortania – Atti Museo Friul. di Storia Nat.* **25:** 95-108.
17. Spitale D., **Cantonati M.** & Tardio M. 2004. Effetti sui popolamenti fitoplanctonici del Lago di Tovel (Trentino) di arricchimenti con macro- e micronutrienti in strutture confinate. Atti XVI *Convegno Nazionale del Gruppo d’Ecologia di Base “G. Gadio”, Pavia, 10-11 maggio 2003. Studi Trentini di Scienze Naturali – Acta Biologica* **80:** 201-207.
16. Ambrogi R., **Cantonati M.**, Forni G., Marchini A., Occhipinti Ambrogi A., Savini D. & Sconfiatti R. 2004. Dedicata Prof. Sacchi. Atti XVI *Convegno Nazionale del Gruppo d’Ecologia di Base “G. Gadio”, Pavia, 10-11 maggio 2003. Studi Trentini di Scienze Naturali – Acta Biologica* **80.**

2002

15. **Cantonati M.** 2002. Trent’anni di Convegni Gadio. Atti XV *Convegno Nazionale del Gruppo d’Ecologia di Base “G. Gadio”, Trento, 5-7 maggio 2001. Studi Trentini di Scienze Naturali – Acta Biologica* **78:** 19-24.
14. **Cantonati M.**, Boscaini A., Corradini F. & Lazzara M. 2002. Morfometria e idrochimica di laghi d’alta quota del bacino del fiume Avisio (Trentino orientale). *Studi Trentini di Scienze Naturali – Acta Biologica* **78:** 101-116.
13. **Cantonati M.**, Tardio M., Tolotti M., & Boscaini A. 2002. Caratteristiche di mesocosmi utilizzati per lo studio del fitoplancton. *Studi Trentini di Scienze Naturali – Acta Biologica* **78:** 167-172.

2001

12. **Cantonati M.** & Maiorana S. 2001. Ricerche ecologiche di lungo termine in sorgenti del Parco Naturale Adamello-Brenta (Trentino). Atti dell’XI *Convegno Nazionale della Società Italiana di Ecologia (SitE), Sabaudia, 12-14 settembre 2001.*
11. Tardio M., **Cantonati M.** & Tolotti M. 2001. Condizionamento meteorologico nello sviluppo del fitoplancton del Lago di Tovel (Trentino): indicazioni da ricerche in mesocosmi – Atti dell’XI *Convegno Nazionale della Società Italiana di Ecologia (SitE), Sabaudia, 12-14 settembre 2001.*

1999

10. **Cantonati M.** 1999. Distribution and seasonality of the phytobenthos along two mountain spring streams in catchments of contrasting lithology. *Boll. Mus. Civ. Stor. Nat. Venezia* **49:** 357-367.

1997

9. Sconfiatti R. & **Cantonati M.** 1997. Ecologia della predazione nell’idrofita carnivora *Utricularia vulgaris* L.: un approccio sperimentale. *Atti S.It.E.* **18:** 201-204.

1995

8. Birkemeyer T., **Cantonati M.**, Dalmazzo A. & Occhipinti A. 1995. Indagini idrobiologiche sulla rete idrica della Raffineria Agip di Sannazzaro De’ Burgondi (Pavia). *Quad. Staz. Ecol. civ. Mus. St. nat. Ferrara* **9:** 47-58.
7. **Cantonati M.** & Cazzalini O. 1995. Periphyton animale di *Utricularia vulgaris* L. (*Lentibulariaceae*) e metaphyton in una torbiera alcalina. *Atti Soc. Ital. Sc. Nat. Museo Civ. Stor. Nat. Milano* **134:** 214-226.
6. **Cantonati M.** 1995. Phytobenthos algae of mountain springs in the Adamello-Brenta Regional Park (Trentino, Italy). *Giorn. Bot. Ital.* **129:** 1278-1280.

1994

5. Sconfiatti R., Cariboni M. & **Cantonati M.** 1994. Ricerche sulla ciclomorfofisi del Cladocero *Bosmina longirostris* (O.F. Müller). Atti del 10° *Convegno Nazionale dell’Associazione Italiana di Oceanologia e Limnologia (A.I.O.L.)*. Alassio, 4-6 novembre 1992: 477-486.

1993

4. **Cantonati M.** 1993. Ecologia di *Utricularia vulgaris* L. (*Lentibulariaceae*) in una lanca del Parco del Ticino. *Mem. Soc. Tic. Sci. Nat.* **4:** 95-105.
3. Sconfiatti R., Airò S., **Cantonati M.**, Cattani S. & P. Rossini, 1993 - Ricerche sul trofismo di ecosistemi stagnali lombardi: cicli stagionali e nictemerali in una lanca del Ticino. Atti del X *Convegno del Gruppo per l’Ecologia di Base “G. Gadio”*. Padova: 12-14 maggio 1990: 283-308.

1992

2. **Cantonati M.** 1992. Ricerche sul plancton di un ambiente laterale del Ticino: clorofille e "standing crop". *Atti Soc. Ital. Sc. Nat. Museo Civ. Stor. Nat. Milano* **132:** 241-254.

1990

1. Sconfiatti R. & Cantonati M. 1990. A zooplankton net for very shallow waters. *Riv. Idrobiol.* **29**: 669-674.

f) **Online Publications: Peer Reviewed** (1):

2018

1. Cantonati, M. 2017. Species: *Ulnaria monodii*. Peer reviewed taxon page in Diatoms of the United States. Link to species page.

g) **Book Reviews / Book discussions** (2):

2019

2. Cantonati M. 2019. Book review of: Reichardt E. 2018. Diatoms from freshwater habitats in Franconia (Bavaria, Germany). 2 volumes. 1184 pp., more than 10600 Figs. *Diatom Research*. In prep.

1. Lange-Bertalot H. & Cantonati M. 2019. Book review of: Reichardt E. 2018. Diatoms from freshwater habitats in Franconia (Bavaria, Germany). 2 volumes. 1184 pp., more than 10600 Figs. *Phycologia*. In prep.

h) **National Special Issues, Monographic Volumes, Books or Book Chapters** (19):

2008

19. Cantonati M. & Bertuzzi E., (2008) - La preparazione dei materiali algologici (acque interne). In: F. Barbagli (Ed.), *Preparazione, conservazione e restauro dei reperti naturalistici: metodologie ed esperienze. Museologia Scientifica – Memorie* 3: 39-49. *Atti dei Seminari ANMS di Pavia*. Associazione Nazionale Musei Scientifici e Museo Regionale di Scienze Naturali di Torino.

2006

18. Cantonati M. & M. Lazzara (eds), 2006. I laghi di alta montagna del bacino del Fiume Avisio (Trentino orientale). *Monografie del Museo Tridentino Scienze Naturali* **3**: 1-249. ISBN: 88-531-0005-2.

17. Cantonati M., Corradini F. & Lazzara M., 2006. Caratteristiche chimiche e fisiche. In: Cantonati M. & M. Lazzara (eds), 2006 - I laghi di alta montagna del bacino del Fiume Avisio (Trentino orientale) – *Monografie del Museo Tridentino Scienze Naturali* **3**: 79-98.

16. Borghi B., Borsato A., Cantonati M., Corradini F. & G. Flaim (eds), 2006. Studio sul mancato arrossamento del Lago di Tovel. *Studi Trentini di Scienze Naturali Acta Biologica* **81** (2004), Suppl. **2**. 476 pp. ISSN 0392-0542

15. Borghi B., Borsato A., Cantonati M., Corradini F. & Flaim G. 2006. Studio sul mancato arrossamento del Lago di Tovel – Il Progetto SALTO (2001-2004). In: Borghi et al. (eds), *Studio sul mancato arrossamento del Lago di Tovel. Studi Trentini di Scienze Naturali Acta Biologica* **81** (2004), Suppl. **2**: 1-4.

14. Cantonati M., Sturm M., Guilizzoni P., Kulbe T., Lami A. & Angeli N. 2006. Il Sottoprogetto 2 (Paleolimnologia: evoluzione a lungo termine del lago e del suo bacino) del Progetto SALTO/BEST: sintesi e conclusioni. In: Borghi et al. (eds), *Studio sul mancato arrossamento del Lago di Tovel. Studi Trentini di Scienze Naturali Acta Biologica* **81** (2004), Suppl. **2**: 167-169.

13. Borghi B., Borsato A., Cantonati M., Corradini F. & Flaim G. 2006. Il fenomeno del mancato arrossamento del Lago di Tovel alla luce dei risultati emersi dal Progetto SALTO. In: Borghi et al. (eds), *Studio sul mancato arrossamento del Lago di Tovel. Studi Trentini di Scienze Naturali Acta Biologica* **81** (2004), Suppl. **2**: 471-472.

2002

12. Cantonati M., Tolotti M. & M. Lazzara (eds), 2002. I laghi del Parco Naturale Adamello-Brenta. Ricerche limnologiche su laghi d'alta quota del settore siliceo del Parco. *Documenti del Parco*, **14**. Distribuito da: Parco Naturale Adamello-Brenta, Via Nazionale 12, I-38080 Strembo (Trento). ISBN 88-900841-0-3. 285 pp.

11. Boscaini A. & M. Cantonati, 2002 – 1. Morfometria – In: Cantonati M., Tolotti M. & M. Lazzara (a cura di), I laghi del Parco Naturale Adamello-Brenta. *Documenti del Parco*, **14**: 13-67.

10. Cantonati M., Corradini F., Lazzara M. & M. Tolotti, 2002 – 2. Caratteristiche chimiche e fisiche - In: Cantonati M., Tolotti M. & M. Lazzara (a cura di), I laghi del Parco Naturale Adamello-Brenta. *Documenti del Parco*, **14**: 69-102.

9. Angeli N., Cantonati M. & G. Rossetti, 2002 – 4. Lo zooplankton - In: Cantonati M., Tolotti M. & M. Lazzara (a cura di), I laghi del Parco Naturale Adamello-Brenta. *Documenti del Parco*, **14**: 153-200.

8. Tolotti M. & M. Cantonati, 2002 – 5. Diatomee litorali - In: Cantonati M., Tolotti M. & M. Lazzara (a cura di), I laghi del Parco Naturale Adamello-Brenta. *Documenti del Parco*, **14**: 201-243.

7. Cantonati M., 2002 – Epilogo per la protezione dei laghi d'alta quota - In: Cantonati M., Tolotti M. & M. Lazzara (a cura di), I laghi del Parco Naturale Adamello-Brenta. *Documenti del Parco*, **14**: 267-269.

1999

6. Cantonati M. & G. Tomasi, 1999 – Vittorio Marchesoni (1912-1963) and his contribution to phycology - In: *The Italian phycological patrimony* (N. Abdelahad ed.): 12-15. Gruppo di lavoro per l'Algologia della Società Botanica Italiana.

1998

5. Cantonati M., 1998 – Epilogo per la protezione delle sorgenti - In: *Le sorgenti del Parco Adamello-Brenta* (M. Cantonati ed.): 55-101. *Parco Documenti*, **11**: 165-166.

4. Cantonati M., F. Corradini & L. Tagnin, 1998 - 1. Inquadramento fisico-chimico e morfologico - In: *Le sorgenti del Parco Adamello-Brenta* (M. Cantonati ed.): 9-54. *Parco Adamello Brenta Documenti*, **11**.

3. Bonettini A. M. & M. Cantonati, 1998 - 4. Il macrozoobenthos - In: *Le sorgenti del Parco Adamello-Brenta* (M. Cantonati ed.): 125-143. *Parco Adamello Brenta Documenti*, **11**.

2. Gerecke R. & M. Cantonati, 1998 - 5. Gli idracari - In: *Le sorgenti del Parco Adamello-Brenta* (M. Cantonati ed.): 145-150. *Parco Adamello Brenta Documenti*, **11**.

1. Pezzoli E. & M. Cantonati, 1998 - 7. Molluschi crenobionti (Mollusca, Gastropoda, Hydrobioidea) - In: *Le sorgenti del Parco Adamello-Brenta* (M. Cantonati ed.): 161-164. *Parco Adamello Brenta Documenti*, **11**.

i) **Papers and book chapters for the popularization of freshwater ecology & phycology topics** (48):

2018

48. Cantonati M. 2018. *Pharao*: Il faraone del deserto. La collaborazione tra MUSE e Università di Ain Shams (Cairo) porta alla scoperta di molti nuovi taxa tra cui un nuovo genere di alghe verdi. *Natura Alpina Strenna del MUSE 2018*: 41-42.
47. Cantonati M. 2018. Le diatomee delle sorgenti dei due parchi nazionali bavaresi come indicatrici di cambio ambientale e le reti di ricerche ecologiche di lungo corso. *Natura Alpina Strenna del MUSE 2018*: 37-38.
46. Cantonati M. 2018. *Ex Cypro semper aliquid novi*. Le diatomee dei corsi d'acqua di aree geografiche con clima mediterraneo. *Natura Alpina Strenna del MUSE 2018*: 39-40.
- 2017**
45. Cantonati M. 2017. Otto mesi in una dimensione parallela. Museologia comparata: MUSE, Trento vs ANSP Drexel University, Philadelphia (USA). *Natura Alpina* 68(1-4): 247-250.
44. Cantonati M. 2017. Una pietra miliare per il riconoscimento delle diatomee: Presentazione di un nuovo testo internazionale di identificazione delle Bacillariophyceae per la valutazione delle qualità ambientale. *Natura Alpina* 68(1-4): 33-34.
43. Cantonati M., Angeli N., Bertoni E. & Spitale D. 2017. Progetto Nambino SEFIRA: Invecchiamento precoce di un laghetto alpino a causa di detriti di frana e valanga. *Natura Alpina* 68(1-4): 29-32.
42. Cantonati M., Angeli N., Spitale D. 2017. Sorgenti 1997-2017: Le ricerche ecologiche di lungo corso del MUSE negli ambienti di sorgente del PNAB compiono vent'anni. *Natura Alpina* 68(1-4): 27-28.
41. Cantonati M. 2017. Ambienti acquatici. In: Caola E. & Salsa A. (Eds) La Sarca. Luogo delle divesità: 56-81.
- 2016**
40. Angeli N. & Cantonati M. 2016. In mari, laghi e fiumi, ma anche sugli edifici, nei giardini e nelle fontane. Le alghe degli ambienti urbani. In: Corsini L., Rigobello F. (Eds) Organismi autotrofi degli ambienti urbani. *Natura Alpina x: xx-xx*. ISBN.
39. Cantonati M., Nones F., Scalfi A., Spitale D. & Tardio M. 2016. Un congresso e un workshop internazionali sulle alghe bentoniche per il monitoraggio delle acque interne, un evento arte-scienza sul tema (AlgArt) e la storia della rossa tenace del Garda (*Bangia atropurpurea*). *Natura Alpina x: xx-xx*. ISBN.
- 2012**
38. Cantonati M., Angeli N., Spitale D. Rott E., Stoch F., Nascimbene J., La sorgente di Labante (20-21), le sorgenti del M. Penna (35-36), le Fonti di Poiano (42) nell'ambito del Progetto EBERs - Segadelli S., Angeli N., Spitale D., Cantonati M., Alla scoperta della biodiversità delle sorgenti dell'Emilia-Romagna: Il progetto EBERs (26-30) 2012. In: Segadelli S. et al. A deterministic walk looking for springs. FLOWPATH 2012. Bologna, Italy, June 20-22, 2012. Field trip guide.
37. Cantonati M. 2012. Kieselalgen (*Bacillariophyceae* oder *Diatomeae*). In: R. Gerecke, H. Haseke, J. Klauber and A. Maringer (Eds) Quellen. Schriften des Nationalparks Gesäuse 7:86-99. ISBN 978-3-901990-06-9. Available from the National Park & from Amazon.
36. Cantonati M. 2012. Gli habitat acquatici di pregio naturalistico del Parco testimonio del cambiamento ambientale e climatico. Ricerche ecologiche di lungo corso in sorgenti e laghi d'alta quota del Parco Naturale Adamello-Brenta. *Adamello-Brenta Parco*. Inoltrato.
35. Segadelli S., Angeli N., Spitale D. & Cantonati M. 2012. **Alla scoperta delle biodiversità delle sorgenti dell'Emilia-Romagna. Published online:** <http://www.stefanosegadelli.it/cat.html?cat=233>
- 2010**
34. Cantonati M. 2010. Sorgenti... di specie. Nuovi generi e specie di diatomee scoperti negli habitat di sorgente nell'ambito del Progetto CRENODAT. *Natura Alpina*, 1-2 (2009): 23-32.
- 2008**
33. Cantonati M., 2008. La biodiversità invisibile. In: Tesori naturalistici. Alla scoperta dei paesaggi e della biodiversità, dalla montagna al mare, nelle province di Belluno, Vicenza, Verona, Mantova e Ancona (Cesare Lasen, a cura di): 22-23. Edizione della Fondazione Cariverona (Cassa di Risparmio di Verona, Vicenza Belluno e Ancona). Arsenale Editore. Verona.
32. Cantonati M., 2008. La Finlandia delle Alpi. Un moderno database per i laghi e le sorgenti del trentino. *Economia Trentina*, Anno LVII, Suppl. N. 3/4, pp 36-39.
- 2007**
31. Tardio M., Cantonati M. & N. Angeli, 200x. Alla fermata del Lago Rosso La Stazione Limnologica del Lago di Tovel, una nuova sede territoriale del MTSN per la divulgazione e la ricerca. *Natura Alpina*, x: xx-89.
- 2006**
28. Cantonati M., 2006 – Flora – In: F. Stoch (a cura di), Laghetti d'alta quota - *Quaderni habitat*, 14: 45-65. Ministero dell'Ambiente e della Tutela del Territorio. Museo Friulano di Storia Naturale. ISBN 88 88192 25 5
27. Cantonati M., Lapini L., Paradisi S. & F. Stoch, 2006 – Aspetti di conservazione e gestione – In: F. Stoch (a cura di), Laghetti d'alta quota - *Quaderni habitat*, 14: 123-135. Ministero dell'Ambiente e della Tutela del Territorio. Museo Friulano di Storia Naturale. ISBN 88 88192 25 5.
26. Cantonati M. 2006. Dieci anni di Ricerche sugli ambienti acquatici. In: C. Ferrari, L. Brida, P. Oss & A. Voltolini. Dichiarazione Ambientale. Adamello Brenta Parco - Speciale EMAS: pag. 32.
- 2005**
25. Cantonati M. & S. Scola, 2005 – Vivere in profondità - I sorprendenti adattamenti delle microalghe alla vita sui fondali del Lago di Tovel – *Adamello-Brenta Parco*. In stampa.
24. Cantonati M., 2005 – Alghe – In: F. Stoch (a cura di), Pozze, stagni e paludi - *Quaderni habitat*, 11: 1-158. Ministero dell'Ambiente e della Tutela del Territorio. Museo Friulano di Storia Naturale.
- 2004**
22. Cantonati M., 2004 – La complessa storia dell'“enigmatico” lago rosso – *Adamello-Brenta Parco*, 8(4): 26-28.
21. Cantonati M., 2004 – Uomini e laghi - In V. Ribecchi, Progetto fotografico – “Lago Serraiia e Lago delle Piazze, progetto laghi, Trento 02/04 – 30/05/2004”.
- 2003**
19. Cantonati M. & E. Bertuzzi, 2003 – Le sorgenti per capire i cambiamenti ambientali – *Adamello-Brenta Parco*, 7(1): 4-7.
18. Cantonati M. & E. Bertuzzi, 2003 – Un giovane ricercatore inglese a Tovel pochi anni dopo la fine dell'arrossamento – *Adamello-Brenta Parco*, 7(2).
17. Tardio M., Cantonati M. & M. Lanzinger, 2003 – La Stazione Limnologica del Lago di Tovel: Sezione territoriale del Museo Tridentino di Scienze Naturali in Convenzione con il Comune di Tuenno, nel Parco Naturale Adamello-Brenta. 2003.
- 2002**
16. Cantonati M. & M. Lazzara, 2002 - Un nuovo progetto di ricerca si confronta con il “paradosso Tovel”. L'apporto del Museo Tridentino di Scienze Naturali al progetto SALTO (Studio sul mancato Arrossamento del Lago di TOvel) – *Bollettino SAT*, LXV(1): 17-22.

15. Cantonati M., 2002 – I laghi d'alta quota dell'Adamello nel Parco: risorsa preziosa e testimoni sensibili del cambiamento ambientale – *Adamello-Brenta Parco*, 6(3): 22-28.
14. Cantonati M. & K. Ortler, 2002 – Flora e vegetazione – In: F. Stoch (a cura di), Torrenti montani – La vita nelle acque correnti, *Quaderni habitat*, 5: 29-55. Ministero dell'Ambiente e della Tutela del Territorio. Museo Friulano di Storia Naturale. ISBN 88 88192 07 7.

2001

13. Angeli N. & M. Cantonati, 2001 – Le vicissitudini di un lago d'alta quota – *Adamello-Brenta Parco*, 5(3): 2-6.
12. Cantonati M. & N. Angeli, 2001 – La "movimentata" esistenza del Lago di Cornisello Inferiore – *Adamello-Brenta Parco*, 5(4): 12-16.
11. Cantonati M. & M. Tardio, 2001 – Glenodini pallidi e Lago di Tovel - *Adamello-Brenta Parco*, 5(4): 17-19.

2000

10. Cantonati M., 2000 – Arche del nostro tempo. I Musei naturalistici, moderne arche della biodiversità – *Catalogo della Mostra "Il Diluvio Universale"*: 75-78.
9. Cantonati M., Maiolini B. & A. Boscaini, 2000 – Per una gestione sostenibile degli ambienti acquatici nelle Alpi – *Catalogo della Mostra "Il Diluvio Universale"*: 69-74.
8. Cantonati M., Boscaini A., & F. Corradini, 2000 – Alla riscoperta dei laghi alpini – *La Comunità di Fiemme*, XVIII(1):

1999

7. Cantonati M., 1999 - Le sorgenti: solo acqua da utilizzare o scrigni di natura e spie dell'ambiente - *Natura Alpina*, 1-2: 82-83.
6. Cantonati M., 1999 - Nuova collezione di diatomee per documentare le condizioni degli ambienti acquatici - *Natura Alpina*, 1-2: 84-85.
5. Tolotti M. & M. Cantonati, 1999 - Il catasto dei laghi del Parco Adamello-Brenta - *Natura Alpina*, 1-2: 86-87.
4. Tolotti M. & M. Cantonati, 1999 - Un laboratorio idrobiologico nel lago di Tovel - *Natura Alpina*, 1-2: 88-89.
3. Cantonati M., 1999 - Perché studiare le acque d'alta quota – *Suppl. Bollettino SAT*, LXII(4): 12-17.

1997

2. Tolotti M. & M. Cantonati, 1997 - La valle di Tovel tra passato e futuro - *Adamello-Brenta Parco*, 1(3): 2-7.

1995

1. Cantonati M., Chiesa P. & R. Primicerio, 1995 - Note limnologiche sul Laghetto di Valetta Alta (Parco Adamello-Brenta; 2217 m s.l.m.) - *Natura Alpina*, 46(4): 17-26.

j) Congress Abstracts – Oral presentations (only those referring to works not published *in extenso* in the Proceedings) (79):

2019

79. Cantonati M., Charles D.F., Kelly M.G., Lowe R., Theroux S., Poikane S., Spaulding S. & Zgrundo A. 2019. A comparison of benthic-algae-based environmental assessments in the European Union and the United States. *Use of Algae for Monitoring Rivers and Comparable Habitats* (10th UAMRICH). Special Session at the Symposium for European Freshwater Sciences (SEFS). Zagreb. Croatia. Book of Abstracts: xx-xx.

2018

78. Cantonati M. 2018. Indicators of water-level fluctuations in the littoral of natural and artificial lakes: from molecules to assemblage features. *Congress Internat. Society Limnology*. SIL, Aug. 19-25 Nanjing (China). Special Session S5. Ecological impacts of water-level fluctuations (WLF). Book of Abstracts: 183-184.
77. Gerecke R. & Cantonati M. 2018. Collecting biota in spring habitats: A proposal for a sustainable methodology in long-term monitoring studies. *Forum Alpinum 2018 & 7th Water Conference: Alpine water – common good or source of conflicts?* June 4-6 2018. Breitenwang (Austria). Conference Proceedings edited by Edited by L. Füreder, R. Weingartner, K. Heinrich, V. Braun, G. Köck, K. Lanz, T. Scheurer: 32.

2017

76. Charles D.F., Cantonati M. & Boylan P. 2017. Quality assurance assesment of replicate diatom counts: lessons from review of 800 comparisons. *North American Diatom Symposium* (24th NADS), Sept. 27-Oct. 1 2017, Ohio State University's Stone Laboratory on Gibraltar Island in Lake Erie.
75. Saber A.A. Gontcharov A.A. & Cantonati M. 2017. Confirmation of the occurrence in north-eastern Africa and novel morphotaxonomic feature of the rare charophyte *Chara globata*. 1st International Conference of Faculty of Science, Ain Shams University. Hurghada, Egypt. October 24-27th 2017.
74. Saber A.A. Gontcharov A.A. & Cantonati M. 2017. Molecular phylogeny and morphotaxonomic analysis of some *Chara* populations (Charales) from ecologically different Egyptian habitats. 13th Conf. Egyptian Society of Experimental Biology. February 25th 2017.

2016

73. Niedrist G., Füreder L. & Cantonati M. 2016. Securing food in harsh environments needs toughness and adaptation: Feeding habits of chironomids in alpine streams. Aug. 1-5 Turin. *Meeting der SIL-Austria und der Deutschen Limnologischen Gesellschaft*. Book of Abstracts: xx.
72. Cantonati M., Stancheva R., Armanini D., Angeli N., Busse, B.L., Dörflinger G., Fetscher A.E., Kelly M.G., Kocielek J.P., Sheath G.R., Spitale D. & Lange-Bertalot H. 2016. Mediterranean-climate streams diatom biodiversity: indications from environmental-assessment studies in two geographically-distant areas. 24th *International Diatom Symposium* (August 21–27 2016, Québec City, Canada). Session 6A Diatom-biogeography and species traits (Chair: J. John). *Abstract Book*: xx.
71. Cantonati M., Gerecke R., Stevens L.E. & Wehr J.D. 2016. State of play more than 50 years after the recognition of spring biology. Aug. 1-5 Turin. *Congress Internat. Society Limnology*. Special Session 36. Springs: Well-known groundwater resources, disregarded biodiversity hotspots. Book of Abstracts: xx.
70. Stevens L.E., Ledbetter J.D., Springer A.E. & Cantonati M. 2016. Springs ecosystem ecology and stewardship: Neglect has created a global environmental crisis. Aug. 1-5 Turin. *Congress Internat. Society Limnology*. Special Session 36. Springs: Well-known groundwater resources, disregarded biodiversity hotspots. Book of Abstracts: xx.
69. Saber A.A. & Cantonati M. 2016. The phycological biodiversity of springs and wells in Egyptian Oases, and first attempts to use it for assessment purposes. Aug. 1-5 Turin. *Congress Internat. Society Limnology*. Special Session 36. Springs: Well-known groundwater resources, disregarded biodiversity hotspots. Book of Abstracts: xx.
68. Kamberović J., Cantonati M., Kralj Borojević K., Gligora Udovič M. & Plenковиć Moraj A. 2016. Algal and cyanobacterial diversity in springs of the Konjuh Mountain (Dinaric Alps, Bosnia and Herzegovina). Aug. 1-5 Turin. *Congress Internat. Society Limnology*. Special Session 36. Springs: Well-known groundwater resources, disregarded biodiversity hotspots. Book of Abstracts: xx.
67. Niedrist G., Füreder L. & Cantonati M. 2016. Securing food in harsh environments needs toughness and adaptation: Feeding habits of chironomids in alpine streams. Aug. 1-5 Turin. *Congress Internat. Society Limnology*. Book of Abstracts: xx.
66. Cantonati M. 2016. Long-term studies on spring-habitat algae and cyanobacteria in of the Alps under the influence of environmental change. In: Nowicka-Krawczyk P. & Zelazna-Wieczorek (Eds) *XXXV International Conference of the Polish Phycological Society, Łódź-Stryków, Poland, June 01.-04. 2016 Book of Abstracts*: 15.

2015

65. Cantonati M., Celico F., Gargini A., Goldscheider N. & Segadelli S. 2015. Mutual gains and challenges in combining ecological and hydrogeological approaches. 42nd *Congress of the International Association of Hydrogeologists (IAH)*. *Abstract Book*: Session 5.8, Talk N. 716. AQUA2015, Rome, September 13th-18th.
64. Bertoni E., Segadelli S., Cantonati M. & Spitale D. 2015. Can simple aquifer and emergence-site characteristics allow the prediction of expected spring diatom communities? 42nd *Congress of the International Association of Hydrogeologists (IAH)*. *Abstract Book*: Session 5.8, Talk N. 728. AQUA2015, Rome, September 13th-18th.
63. Cantonati M., Saber A.A., Mareš J., Guella G., Ichihara K., Carlile A. & Anesi A. 2015. Benthic algae and cyanobacteria from Egyptian desert springs and wells: isolated, stressful, and impacted freshwater habitats. 6th *European Phycological Congress Programme & Book of Abstracts*: 78. London, UK. 23-28 August 2015, Symp. 9. *Algae in stressful environments*. Taylor & Francis.
62. Rosati M., Cantonati M., Fenoglio S., Celico F., Segadelli S., Petrella E., Levati G. & Rossetti G. 2015. Quantifying the effects of environmental and geographical factors

- on macroinvertebrate community assembly in springs. *Symposium for European Freshwater Sciences*. Geneva, Switzerland, July 5-10 2015.
61. Cantonati M., Stancheva R., Armanini D., Busse L.B., Dörflinger G., Fetscher A.E., Kelly M.G., Kocielek J.P., Sheath R.G. & Spitale D. 2015. Stream-diatom-assemblage features in two geographically-distant areas with Mediterranean climate. In: M. Cantonati et al. (Eds). *Abstract Book of the 9th UAMRICH*, and of the *International Workshop on Benthic Algae Taxonomy* (InBAT): 76. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
60. Armanini D., Kelly M.G., Demartini D., Cantonati M., Angeli N. & Dörflinger G. 2015. Natural factors regulating diatom assemblage composition in streams in Cyprus, and their relevance to ecological status assessment. In: M. Cantonati et al. (Eds). *Abstract Book of the Int. Cong. 9th Use of Algae for Monitoring Rivers and comparable habitats (UAMRICH)*, and of the InBAT: 45. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
59. Cantonati M., Spitale D., La Rocca N., Guella G., Angeli N., Moro I., Sciuto K. & Scalfi A. 2015. Adaptive biology of the red alga *Bangia atropurpurea* in the rocky-shore phytobenthos of the large peri-alpine Lake Garda: Consequences for its use in environmental assessments. In: M. Cantonati et al. (Eds). *Abstract Book of the Int. Cong. 9th Use of Algae for Monitoring Rivers and comparable habitats (UAMRICH)*, and of the InBAT: 35. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
58. Saber A.A. & Cantonati M. 2015. Algae-based assessment and monitoring of inland waters in Egypt: a review, needs, and perspectives In: M. Cantonati et al. (Eds). *Abstract Book of the Int. Cong. 9th Use of Algae for Monitoring Rivers and comparable habitats (UAMRICH)*, and of the InBAT: 55. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
57. Saber A.A., Cantonati M., Guella G. & Anesi A. 2015. Polyphasic approach and comparative lipidomics of two freshwater red algae with similar thallus architecture but from thermally contrasting habitats. In: M. Cantonati et al. (Eds). *Abstract Book of the 9th UAMRICH*, and of the *International Workshop on Benthic Algae Taxonomy* (InBAT): 93. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
56. Cantonati M., Kelly M.G., Armanini D., Lange-Bertalot H., Angeli N., Demartini D. & Dörflinger G. 2015. Diatom biodiversity in Mediterranean streams and its potential for environmental assessments: a case study from the Island of Cyprus. *Society for Freshwater Science (SFS) 2015 Annual Meeting*, Milwaukee, Wisconsin, USA, May 16-23, 2012.
- 2014
55. Cantonati M. & Gerecke R. 2014. Spring research 50 years after the definition of crenobiology. *Joint Aquatic Sciences Meeting (IASM = SFS+ASLO+PSA+SWS) 2014*, Portland, Oregon, USA, May 19-23, 2014. Program Book (Johnson et al. Eds.): 49.
54. Gerecke R., Haseke H. & Cantonati M. 2014. Stability and change in spring-dwelling invertebrate communities - new data from central Europe. *Joint Aquatic Sciences Meeting (IASM = SFS+ASLO+PSA+SWS) 2014*, Portland, Oregon, USA, May 19-23, 2014. Program Book (Johnson et al. Eds.): 49.
53. Cantonati, M., Lange-Bertalot, H., Segadelli, S., Taxböck, L., Mogna, M., Kamberovic, J., Saber, A.A., Letáková, M., Rosati, M. 2014. Recent progress in research on diatoms in springs: selected results from case studies in the Alps, Apennines, Dinaric mountains, and North Africa. *8th Central European Diatom Meeting (CEDIAM8)*, Zagreb, Croatia, April 10-13. 2014. Abstract Book (Z. Ljubešić, J. Godrijan & D. Marić Pfannkuchen Eds): 18. ISBN: 978-953-99774-7-2.
- 2013
52. Cantonati M., Gerecke R., Segadelli S., Angeli N., Spitale D., Rossetti G., Rosati M., Rott E., Stoch F., & De Nardo M.T. 2013. Exploring and understanding the Biodiversity of Emilia-Romagna Spring habitats (Northern Italy): The EBERs Project. SIL 2013 – 4-9 Aug. Budapest. *Congress Internat. Society Limnology*. Theme 2. Biodiversity in aquatic ecosystems. Book of Abstracts: 85.
51. Cantonati M., Lange-Bertalot H., Segadelli S., Angeli N. & Gabrieli J. 2013. Unexpectedly-high diatom biodiversity in spring-habitats of the Emilia-Romagna Region (Italy, EBERs Project), and its hydrogeological and hydrochemical prerequisites. *7th Central European Diatom Meeting (CEDIAM7)*, Thonon-les-Bains, France, 17-21/09/2013. Abstract Book (F. Rimet et al. ed.): 121-123.
50. Shaaban A. E-S., Cantonati M., Mansour H. & Saber A. Diatoms from different freshwater habitats of El-Farafra Oasis (Egypt), with special attention to wells and hot springs. *7th Central European Diatom Meeting (CEDIAM7)*, Thonon-les-Bains, France, 17-21/09/2013. Abstract Book (F. Rimet et al. ed.): 207-209.
49. Rott, E., M. Cantonati & D. Sanders. 2013. Carbonate precipitation in springs – a process shaped by groundwater conditions and biotic influences – the *Oocardium* case for Central Europe. SIL 2013 – 4-9 Aug Budapest. *Congress Internat. Society Limnology*. Theme 14: Biogeochemical cycles.
48. Gargini A., Cantonati M., De Nardo M.T., Filippini M., Piccinini L. & Segadelli S. 2013. Conflicts between ecological protection and public water supply for a main petrifying spring in the Northern Apennines (Italy). *40th International Congress of the International Association of Hydrogeologists (IAH) "Solving the Groundwater Challenges of the 21st Century"*, Perth, Western Australia, 15-20 September 2013.
47. Rosati M., Cantonati M., Primicerio R. & Rossetti G. 2013. Ecological drivers and multi-scale spatial patterns of ostracod diversity in cold springs of Western Palearctic. *17th International Symposium on Ostracoda*. Rome, July 23-26, 2013.
46. Cantonati M., Spitale D., Guella G. & La Rocca N. 2013. A2-wp2 - Adaptive traits of the rhodophyte *Bangia atropurpurea* in relation to water-level-fluctuations-related stressors in the phytobenthos of the large, peri-Alpine Lake Garda. ACE-SAP Review Meeting, S. Michele all'Adige (TN), 04/02/2013. Abstract book.
- 2012
45. Cantonati M., Spitale D., Guella G. & La Rocca N. 2012. Adaptive biology (desiccation and UV) of the rhodophyte *Bangia atropurpurea* in the eu littoral phytobenthos of the large peri-alpine Lake Garda. *Society for Freshwater Science (SFS) 2012 Annual Meeting*, Louisville, Kentucky, USA, May 20-25, 2012.
44. Cantonati M., Angeli N. & Spitale D. 2012. Towards the development of benthic-algae tools for the bioassessment of the quality and ecological integrity of spring habitats. *8th International Symposium on the Use of algae for Monitoring Rivers (UAMRIVER 2012)*, Alcalá de Henares, Madrid, Spain, 18-22 June 2012. Program and Abstracts: 20.
43. Cantonati M., Scalfi A., Lange-Bertalot H. & Spitale D. 2012. Benthic diatoms in the frame of an adaptive-biology study (water-level-fluctuations-related stressors) of the rhodophyte *Bangia atropurpurea* in the phytobenthos of the large, peri-Alpine Lake Garda (ACE-SAP.A2.WP2). *6th Central European Diatom Meeting (CEDIAM6)*, Innsbruck, Austria, 22-25/03/2012. Abstract Book (D. Gesierich Ed.): 18.
- 2011
42. Cantonati M., 2011. Water crisis: Spring habitats as hotspots of freshwater biodiversity, and their potential role for its conservation. *North American Benthological Society (NABS), 2011 Annual Meeting*, Providence, Rhode Island, USA, May 22-26, 2011.
41. Cantonati M., Wojtal A., Falasco E., Gabrieli J. & Angeli N. 2011. *Achnanthydium minutissimum* (Bacillariophyta) teratological forms as indicators of heavy metal (Cu) enrichment / pollution in different freshwater environments. *5th Central European Diatom Meeting (CEDIAM5)*, Szczecin, Poland, 24-27/03/2011. Abstract Book (M. Bąk, A. Witkowski, M. Wroniecki, T. Radziejewska, D. Krawczyk, A. Kierzek Eds.): 19-20. ISBN 978-83-7241-823-4.
40. Cantonati M. & Spitale D. 2011. The contribution of benthic cyanobacteria and algae to the definition of spring types as a prerequisite for the development of ecological-integrity and environmental-quality assessment procedures for spring habitats. *10th International Conference of the Aquatic Ecosystem Health and Management Society*. Siena (Italy). June 13-15. Program & Abstracts (S. Loisel & M. Munawar Eds.) S3.04: 36.
39. Cantonati M., Spitale D., Guella G. & La Rocca N. 2011. A2-wp2 - Target species: *Bangia atropurpurea* (Roth) C. Agardh - Adaptive traits of the rhodophyte *Bangia atropurpurea* in relation to water-level-fluctuations-related stressors in the phytobenthos of the large, peri-Alpine Lake Garda. ACE-SAP 3rd Annual General Meeting, SperimentArea – Bosco della Citta Rovereto (TN), 13-15/05/2011. Abstract book: 19-22.
- 2010
38. Cantonati M. & D. Spitale 2010. Gli habitat sorgivi delle Alpi come hotspot di biodiversità: una prospettiva museologica. In: *20. Congresso dell'Associazione Nazionale Musei Scientifici*, 17-19 Novembre 2010, Ferrara, Italy, *Programma e Riassunti*: 87.
37. Cantonati M., Rott E., Spitale D., Bertuzzi E., Angeli N. & Komárek J. 2010. Cyanoprokaryotes and algae forming macroscopic structures in springs of the Alps, and their contribution to the re-definition of spring types. In: *18th Symposium of the International Association for Cyanophyte Research*, 15th-20th August 2010, České Budějovice, Czech republic, Book of Abstracts: 13.
36. Cantonati M., Kocielek J.P. & Lange-Bertalot H. 2010. Diatoms in benthic oligotrophic habitats: Towards combining perspectives from Europe and North America. *Central European Diatom Meeting, CEDIAM4*, Island of Reichenau – Lake Constance, Germany, 12-14/03/2010. Abstract book: 12-13.
35. Cantonati M., Spitale D., Guella G. & La Rocca N. 2010. A2-wp2. Adaptive traits of the rhodophyte *Bangia atropurpurea* in relation to water-level-fluctuations-related stressors in the phytobenthos of the large, peri-Alpine Lake Garda. ACE-SAP 2nd Annual General Meeting, Mt. Zugna (TN), 19-20/05/2010. Abstract book: 19-22.
34. Cantonati M., Spitale D. & Nascimbene J. 2010. Biodiversità delle "piante inferiori": stato delle conoscenze e prospettive. Bioweeek 2010. Biodiversità. L'insostituibile valore della diversità in natura Museo Tridentino di Scienze Naturali (TN). 19-22/05/2010. Abstract book
- 2009

33. Cantonati M., Scalfi A., Spitale D. & H. Lange-Bertalot, 2009. Using epilithic and epiphytic (on the rhodophyte *Bangia atropurpurea*) diatoms to assess the environmental quality of the shores of the largest Italian lake (L. Garda). 7th International Symposium "Use of Algae for Monitoring Rivers" (7th ISUAMR), Luxembourg, (23-25 November, 2009). Programme – Abstracts (Ector L., Hlúbíková D., Cauchie H.-M. & L. Hoffmann Eds.): 37-38.
32. Cantonati M., Spitale Daniel & Gerecke R. 2009. Use of benthic organisms from multiple taxonomic groups for the conservation-oriented classification of spring habitats: Neglected and threatened key habitats for biodiversity conservation. *North American Benthological Society (NABS) 57th Annual Meeting*, Grand Rapids, MI, USA (17-22 May, 2009). Session 91 (Conservation Ecology; Moderator: M. Cantonati) (608)
31. Cantonati M., Daniel Spitale, Alessia Scalfi & Martina Battistotti, 2009. Epiphytic (on the rhodophyte *Bangia atropurpurea*) and epilithic littoral diatoms of Lake Garda (Italy) studied in the frame of the ACE_SAP Project (2008-2011). 3rd Central European Diatom Meeting, CEDIATOM3, Utrecht, The Netherlands 27-29/03/2009. Abstract Book. *Diatomededelingen*, 33: 43.
30. Rott, E., R. Hotzy & M. Cantonati 2009. Tufa spring protection status in the Central Eastern Alps with special reference to the desmid *Oocardium stratum*, a frequently overlooked key element. 2nd ECCB Prague 1.-5.9.2009.
- 2008
29. Cantonati M., Lange-Bertalot H., Komárek J., Angeli N., R. Frassanito, Scalfi A. & G. Guella, 2008. Tassonomia ed ecologia di nuovi generi e specie di diatomee e cianobatteri di sorgenti delle Alpi. Annual Meeting of the Italian Phycology Working Group. Società Botanica Italiana, Dipartimento di Biologia dell'Università di Padova. Centro Studi Termali "Pietro Abano". Abano Terme, Padova, 14-15 novembre 2008. Atti: 19.
28. Cantonati M., Angeli N., Bertuzzi E., H. Lange-Bertalot, Spitale D. & A. Scalfi 2008 - Diatoms in springs of the Alps: Ecology and taxonomy - 20th International Diatom Symposium (7 – 13 September 2008, Dubrovnik, Croatia). *Abstract Book*: 39.
27. Cantonati M., Lange-Bertalot H., Angeli N., Bertuzzi E., Scalfi A. & Spitale D. 2008. New diatom genera and species in springs of the Alps, and their suitability for an ecological characterization of springs. In (Cantonati M, Scalfi A. & Bertuzzi E. eds) *Abstract Book of the 2nd Central European Diatom Meeting (CEDIATOM2)*: Trento, Italy, 12-15 June.
26. Bertuzzi E., Angeli N. & Cantonati M., 2008. Diatom indices and springs. In (Cantonati M, Scalfi A. & Bertuzzi E. eds) *Abstract Book of the 2nd Central European Diatom Meeting (CEDIATOM2)*: Trento, Italy, 12-15 June.
25. Leira M., Filippi M. & Cantonati M. 2008. Water-level changes in Alpine lakes (NE Italy), and their reflection in the diatom sediment record. In (Cantonati M, Scalfi A. & Bertuzzi E. eds) *Abstract Book of the 2nd Central European Diatom Meeting (CEDIATOM2)*: Trento, Italy, 12-15 June.
- 2007
24. Cantonati M., Spitale D., Bertuzzi E., Angeli N., Guella G., Nascimbene J., Petraglia A., Rott E., Tomaselli M., Scalfi A., Frassanito R., Lange-Bertalot H. & Komárek J., 2007. Photoautotrophs in spring-habitats: results from a multidisciplinary project in the SE Alps (CRENODAT). 30th Congress of the International Association of Theoretical and Applied Limnology. August 12-18, 2007 Montréal, Canada. *SIL 2007 Abstracts CD*.
23. Spitale D., Petraglia A., Tomaselli M. & M. Cantonati 2007. Spring bryophytes in Italian Alps: richness and environmental factors driving their distribution. 30th Congress of the International Association of Theoretical and Applied Limnology. August 12-18, 2007 Montréal, Canada. *SIL 2007 Abstracts CD*.
22. Bertuzzi Ermanno, Marco Cantonati, Nicola Angeli, Eugen Rott 2007. Evaluating spring habitats integrity / naturalness and quality: First approaches. 30th Congress of the International Association of Theoretical and Applied Limnology. August 12-18, 2007 Montréal, Canada. *SIL 2007 Abstracts CD*.
21. Cantonati M., Angeli N., Bertuzzi E., Spitale D., Lange-Bertalot H., Gerecke R., Komárek J., Sambugar B., Guella G., Nascimbene J. & P. Oss Cazzador 2007 - Il contributo del progetto crenodat allo studio della biodiversità delle sorgenti del Trentino. 80^o Meeting della Società Italiana di Biologia Sperimentale (29/11-010/12, 2007, Trento). *Libro degli Abstract*.
20. Tardio M., Ellegaard M., Sangiorgi F., Cantonati M., Filippi M. L., Di Giuseppe G. 2007 - Studio ecofisiologico, tassonomico e paleolimnologico di dinoflagellati in un lago d'alta quota particolarmente sensibile al cambiamento climatico e ambientale (Lago Nero di Cornisello, Parco Naturale Adamello-Brenta) 80^o Meeting della Società Italiana di Biologia Sperimentale (29/11-010/12, 2007, Trento). *Libro degli Abstract*.
19. Cantonati M. 2007. State of the art of biological research on springs. In Z. Jokic & S. Galz (Eds.): *Life-Natur-Projekt. Kalktuffquellen in der Frankenalb. Tagungsband (Proceedings)*. Publisher: Landesbund für Vogelschutz in Bayern e.V., Verband für Arten- und Biotopschutz (LBV). Hilpoltstein, Germany.
- 2006
18. Cantonati M., Angeli N. & M. Tardio, 2006 - La Stazione Limnologica del Lago di Tovel e il microscopio elettronico a scansione a pressione variabile: due importanti elementi di novità nella ricerca del Museo Tridentino di Scienze Naturali - *Convegno Associazione Nazionale Musei Scientifici – ANMS, Trento – Bolzano (11-13/05/2006)*. *Abstract Relazioni*: 9.
17. Cantonati M., Angeli N., Bertuzzi E., Spitale D. & H. Lange-Bertalot, 2006 - Epibryon diatom communities in springs of the Alps - 19th International Diatom Symposium (28 August – 3 September 2006, Listvyanka, Lake Baikal, Russia). *Abstract Book*: 27.
- 2004
16. Scola S., Angeli N., Cantonati M. & G. Rossetti, 2004 – Depth-distribution of living benthic diatoms in a mountain lake – 18. *Tagung Deutschsprachiger Diatomologen*. 26-28/03/2004. Limnologische Station Iffeldorf. *Abstracts*: 3.
15. Cantonati M., Scola S., Angeli N., Frassanito R. & G. Guella, 2004 – Distribution of the periphyton along a depth-gradient in a mountain lake characterized by marked water level fluctuations – *Societas internationalis Limnologiae (SIL), Internat. Assoc. Theoret. & Applied Limnology, XXIX Congress, Lahti, Finland, 8-14 August 2004, Book of abstracts*: 27.
- 2003
14. Bagnoli C., Ghetti F., Cantonati M., Tardio M. & D. Spitale, 2003 – Ecofisiologia del dinoflagellato *Glenodinium sanguineum* – *Congresso Annuale della Società Italiana di Fotobiologia*. Alessandria, 22-24 maggio 2003. *Riassunti delle comunicazioni*: 13.
13. Corradini G., Cantonati M. & E. Bertuzzi, 2003 – Le diatomee di corsi d'acqua d'alta quota in Parchi Naturali del Trentino Occidentale – *XVI Convegno del Gruppo per l'Ecologia di Base "G. Gadio"*, *Abstract book*: 29. Pavia, 10-12 maggio 2003.
12. Cantonati M., Angeli N., Frassanito R., Guella G., Lami A., Lazzara M., Lencioni V. & Tardio M., 2003 – Neo- and paleolimnology of a mountain lake once affected by spectacular red blooms – *9th International Paleolimnology Symposium. Espoo, Finland, August 24-28 2003. Abstract volume*: 27.
11. Cantonati M., Gerecke R. & E. Bertuzzi, 2003 - Le sorgenti delle Alpi: dalla valutazione della biodiversità alle ricerche ecologiche di lungo corso - *XIII Congresso Nazionale Società italiana di Ecologia: "Ecologia Quantitativa: metodi sperimentali, modelli teorici, applicazioni"*. Como. 8-10 settembre 2003. *Programma e riassunti* (a cura di R. Casagrandi & P. Melià): 28-29.
10. Spitale G., Cantonati M. & M. Tardio, 2003 – Effetti sui popolamenti planctonici del lago di Tovel (Trentino) di operazioni di arricchimento con macro- e micronutrienti in varie tipologie di mesocosmi – *XVI Convegno del Gruppo per l'Ecologia di Base "G. Gadio"*, *Abstract book*: 46. Pavia, 10-12 maggio 2003.
9. Cantonati M. & E. Bertuzzi, 2003 – La preparazione dei materiali algologici - 3^o Seminario sulla conservazione dei reperti naturalistici "La preparazione dei reperti naturalistici". Pavia, 21/11/2003. *Riassunti dei contributi*: 11.
- 2002
8. Cantonati M., Corradini F., Tardio M., Tolotti M. & G. Tomasi, 2002 - Il contributo della ricerca limnologica alla comprensione di un fenomeno a forte impatto sociale: il paradosso Tovel – *Le zone umide montane in Italia: esperienze di ricerca e gestione*, Parma, 27-29 giugno 2002, *Libro degli abstract*: 16.
7. Cantonati M., Lazzara M., Angeli N., Corradini F., Tavernini S., Tolotti M. & E. Bertuzzi, 2002 - Esperienze di ricerca su laghi d'alta quota del Trentino: un contributo per una corretta gestione - *Le zone umide montane in Italia: esperienze di ricerca e gestione*, Parma, 27-29 giugno 2002, *Libro degli abstract*: 16-17.
6. Cantonati M., Angeli N., Scola S. & G. Rossetti, 2002 - Depth distribution of epilithic diatoms in a mountain lake (Lake Tovel, 1178 m a.s.l., Northern Italy) - 17th International Diatom Symposium. Ottawa, Canada, 25-31 August, 2002 *Book of abstracts*: 19.

2001

5. Cantonati M., 2001 - La letteratura limnologica sul lago di Tovel: una sintesi alla luce delle evidenze più recenti sul fenomeno dell'arrossamento - XV *Convegno Nazionale del Gruppo d'Ecologia di Base "G. Gadio", Trento, 5-7 maggio 2001. Abstract Book: 28.*
4. Cantonati M., Maiorana S. & V. Lencioni, 2001 - Distribuzione longitudinale e stagionalità del macrozoobenthos in due ruscelli sorgivi su diverso substrato geologico - XV *Convegno Nazionale del Gruppo d'Ecologia di Base "G. Gadio", Trento, 5-7 maggio 2001. Abstract Book: 30.*

2000

3. Cantonati M., 2000 – Ricerche sulle biocenosi di laghi d'alta quota di un'area protetta delle Alpi meridionali (Parco Adamello-brenta, Trentino) – *Zusammenfassungen der Beiträge der Tagung "Zoologische und botanische Forschung in Südtirol / Ricerca zoologica e botanica in Alto Adige", 29-30/9/2000, Bolzano/Bozen: 17-18.*
2. Cantonati M., Guella G. & R. Frassanito, 2000 - Osservazioni preliminari sul rinvenimento di *Bangia atropurpurea* (Rhodophyta, Bangiales) nel lago di Garda – *Riunione Scientifica Annuale del Gruppo di lavoro per l'Algologia della Società Botanica Italiana (10-11 novembre 2000, Ancona), Riassunti: 9.*

1998

1. Cantonati M., 1998 – *Wasserscheichtum Alpen. Quellen und Seen in Naturschutzgebieten. Wie rein sind sie? – 2. Dialogkreis. Interventionen Stams. Forum Alpenraum. 1.-3. Oktober 1998. Stift Stams.*

k) **Congress Abstracts – Posters** (only those referring to works not published *in extenso* on the Proceedings) (78):

2018

78. Cantonati M., Ector L., Angeli N., Boutarfa S., Ciugulea I., Saber A.A. & Lange-Bertalot H. 2018. Interesting *Caloneis* species from Mediterranean, tropical or subtropical streams, and hot springs and boreholes. *International Workshop for the identification of algae used in environmental assessments*. September 12th-14th, Gdynia, Poland. Book of Abstracts: xx.
77. Lai G.G., Ector L., Cantonati M., Padedda B.M., Lugliè A. & Wetzel C.E., 2018. *Chamaepinnularia thermophila*: new observations from a thermal spring in Central Sardinia (Italy). 25th *International Diatom Symposium* (June 25–30 2018, Berlin, Germany). Abstract Book: xx.
76. Bolpagni R., Laini A., Bagella S., Bartoli M., Cantonati M., Poikane S. 2018. Small standing water ecosystems: Current trends and perspectives in ecological value and conservation. *8th European Pond Conservation Network (EPCN) Workshop*, May 21st-25th 2018, Torroella de Montgrí, Girona, Spain.

2017

75. Lai G.G., Padedda B.M., Cantonati M., Ector L., Wetzel C.E., Sechi N. & Lugliè A. 2017. Diatom communities of the Casteldoria thermo-mineral spring (Northern Sardinia, Italy): first results. *XXIII Congresso Associazione Italiana di Oceanologia e Limnologia (AIOL)*, September 26th-29th 2017, Cagliari, Italy.
74. Lai G.G., Padedda B.M., Cantonati M., Ector L., Wetzel C.E., Sechi N. & Lugliè A. 2017. Les communautés de diatomées de la source thermo-minérale de Casteldoria (Sardaigne du Nord, Italie): premiers résultats. *36ème Colloque de l'Association des Diatomistes de Langue Française (ADLaF)*, 12-14 Sept 2017, Dijon, France.

2016

73. Saber A.A., Cantonati M., Mareš J., Anesi A. & Guella G. 2016. Multifaceted characterization of *Westiellopsis prolifica* (Cyanobacteria) from the El-Farafra Oasis (Western Desert, Egypt). 20th *IAC Cyanophyte/Cyanobacteria Research Symposium* (Aug 28th–Sep. 2nd 2016, Innsbruck, Austria). Abstract Book: xx.
72. Cantonati M., Saber A., Blanco S., El-Gamal D.A., Shehata, F.E. & El-Refaey A.E.A. 2016. *Seminavis aegyptiaca* sp. nov., a new epilithic diatom species from the estuary of the Damietta Branch of the River Nile (Egypt). 24th *International Diatom Symposium* (August 21–27 2016, Québec City, Canada). Abstract Book: xx.
71. Cantonati M., Saber A., Blanco S., El-Refaey A.E.A., Shehata, F.E. & El-Gamal D.A., 2016. Observations on some rarely-recorded *Navicula* species from Egyptian inland waters including the recently-described *N. flandriae*. 24th *International Diatom Symposium* (August 21–27 2016, Québec City, Canada). Abstract Book: xx.

2015

70. Segadelli S., Cantonati M., Bertoni E., Spitale D., Angeli N. & Borsato A. 2015. Can reference spring diatom communities be predicted from simple aquifer and emergence-site characteristics? In: M. Cantonati *et al.* (Eds). *Abstract Book of the Int. Cong. 9th Use of Algae for Monitoring Rivers and comparable habitats (UAMRICH)*, and of the InBAT: 37. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
69. Bertoni E., Segadelli S., Cantonati M., Rott E., Gargini A., Celico F. & Gerecke R. 2015. Petrying Springs: A review of an EU Habitat Directive Priority Type with hydrogeological model to predict areas of occurrence, and suggestions for sustainable management. In: M. Cantonati *et al.* (Eds). *Abstract Book of the Int. Cong. 9th Use of Algae for Monitoring Rivers and comparable habitats (UAMRICH)*, and of the InBAT: 39. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
68. Cantonati M., Gabrieli J., Saber A.A., Bertoni E. & Segadelli S. 2015. Hydrochemistry and hydrogeology of springs and wells in the El-Farafra Oasis (Western desert of Egypt) as an important pre-requisite for their phyecological biodiversity. 42nd *Congress of the International Association of Hydrogeologists (IAH)*. Abstract Book: Session 5.8, ePoster N. 729. AQUA2015, Rome, September 13th-18th.
67. Segadelli S., Cantonati M., Gerecke R., Angeli N. & De Nardo M.T. 2015. Exploring and understanding the biodiversity of spring habitats of the northern Apennines (EBERs project). 42nd *Congress of the International Association of Hydrogeologists (IAH)*. Abstract Book: Session 5.8, ePoster N. 717. AQUA2015, Rome, September 13th-18th.
66. Nones F., Cantonati M., Komárek J., Rott E., Shubert E., Jäger D., Angeli N. & Segadelli S. 2015. Exploring the biodiversity of benthic algae in spring habitats of the Northern Apennines (Emilia-Romagna Region, EBERs Project). In: M. Cantonati *et al.* (Eds). *Abstract Book of the 9th UAMRICH*, and of the *International Workshop on Benthic Algae Taxonomy* (InBAT): 80. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
65. Letáková M., Cantonati M., Hašler P., Angeli N. & Poulíčková A. 2015. Substrate specificity and fine-scale distribution of epiphytic diatoms in a shallow tarn in the Brenta Dolomites (south-eastern Alps). In: M. Cantonati *et al.* (Eds). *Abstract Book of the 9th UAMRICH*, and of the *International Workshop on Benthic Algae Taxonomy* (InBAT): 82. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
64. Angeli N., Cantonati M. & Lange-Bertalot H. 2015. New and interesting naviculoid diatoms from the Island of Cyprus. In: M. Cantonati *et al.* (Eds). *Abstract Book of the 9th UAMRICH*, and of the *International Workshop on Benthic Algae Taxonomy* (InBAT): 80. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
63. Spitale D., Cantonati M., Scaffi A., Guella G. & Hernández Mariné M. 2015. Two contrasting strategies of seasonal development of crenic macroalgae. In: M. Cantonati *et al.* (Eds). *Abstract Book of the 9th UAMRICH*, and of the *International Workshop on Benthic Algae Taxonomy* (InBAT): 100. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
62. Niedrist G., Cantonati M. & Füreder L. 2015. The effect of environmental harshness on the feeding preferences of alpine chironomid species: The identification of ingested benthic algae. In: M. Cantonati *et al.* (Eds). *Abstract Book of the 9th UAMRICH*, and of the *International Workshop on Benthic Algae Taxonomy* (InBAT): 104. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
61. Mareš J. & Cantonati M. 2015. Phylogenetic position of a peculiar benthic epilithic cyanobacterium *Geitleribactron purpureum* from Lake Tovel (Italy), and its consequences to the taxonomy of *Geitleribactron*. In: M. Cantonati *et al.* (Eds). *Abstract Book of the 9th UAMRICH*, and of the *International Workshop on Benthic Algae Taxonomy* (InBAT): 89. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
60. Jüttner I., Williams D.M., Ector L., Falasco E., Battezzare M., Levkov Z., Cantonati M., Van de Vijver B. & Angele C. 2015. Re-investigation of the type materials of *Diatoma hyemale* (Roth) Heiberg, *Diatoma hyemale* var. *maximum* F.Meister and a new *Odontidium* species. In: M. Cantonati *et al.* (Eds). *Abstract Book of the Int. Cong. 9th Use of Algae for Monitoring Rivers and comparable habitats (UAMRICH)*, and of the InBAT: 38. Museo delle Scienze-MUSE. Trento, Italy, June 15-19 2015. ISBN 978-88-531-0037-5
59. Hamed S.M., Abdel-Rahim E.F.M., El-Tablavy N.H., Saber A.A., Cantonati M. 2015. Comparative study on the toxic activities of some algal and cyanobacterial extracts against the 2nd and 4th larval instars of cotton leaf worm *Spodoptera littoralis* (Boisd.). *6th European Phycological Congress Programme & Book of Abstracts: 153.* London, UK. 23-28 August 2015, Taylor & Francis.

2014

58. Jüttner I., Williams D.M., Ector L., Falasco E., Battezzare M., Levkov Z., Cantonati M., Van de Vijver B., & Angele C. 2014. Re-investigation of the type materials of *Diatoma hyemale* (Roth) Heiberg, *Diatoma hyemale* var. *maximum* Meister and a new *Odontidium* species. *British Diatom Meeting*. Hay-on-Wye October 24th-26th 2014. Abstract book: xx.

57. Rizzi G., and M. Cantonati 2014. The contribution of hydraulics to a multidisciplinary study evaluating the effects of water abstraction from a high-integrity high-mountain lake for artificial-snow production. Proceedings of the 17th International Workshop on Physical Processes in Natural Waters (Trento, Italy, 1-4 July 2014; M. Toffolon & S. Piccolroaz Eds): 74-75. University of Trento, Italy. ISBN: 978-88-8443-550-7.
- 2013
56. Stocchetti E., Angeli N., Kelly M., Spitale D., Dorfliinger G., Armanini D.G. and Cantonati M. 2013. Analysis of diatoms from Cyprus rivers: biological quality of mediterranean fluvial sites under environmental stress gradient. Congresso SitE 2013.
55. Segnana M., Cantonati M. & Angeli N. 2013. Epilithic diatom assemblages of an extremely-low-alkalinity high mountain lake (Adamello-Brenta Nature Park, south-eastern Alps) with special reference to the depth-distribution. 7th Central European Diatom Meeting (CEDIATOM7), Thonon-les-Bains, France, 18-20/09/2013. Abstract Book (F. Rimet *et al.*): 124-126.
- 2012
54. Cantonati M., Gargini A., Segadelli S., Angeli N., Spitale D., De Nardo M.T. & Ercolessi G. 2012. Exploring the Biodiversity of Emilia-Romagna springs: The EBERS Project. FLOWPATH 2012. Bologna, Italy, June 20-22, 2012.
53. Cantonati M., Gargini A., Segadelli S., Angeli N., Spitale D. & De Nardo M.T. 2012. Springs as main groundwater dependent ecosystems. 7th European Congress on REgional GEoscientific Cartography and Information Systems (EUREGEO). Bologna, Italy, June 12-15, 2012. *Programme*: 47.
- 2011
52. Cantonati M., Taxböck L., Mogna M. & Spitale D. 2011. A first comparison among the diatom communities in spring habitats of carbonate mountain ranges of the Alps. 5th Central European Diatom Meeting (CEDIATOM5), Szczecin, Poland, 24-27/03/2011. Abstract Book (M. Bąk, A. Witkowski, M. Wroniecki, T. Radziejewska, D. Krawczyk, A. Kierzek Eds.): 70-71. ISBN 978-83-7241—823-4.
51. Spitale D., Cantonati M., Scalfi A., Lange-Bertalot, Battistotti M. & Parmesani M. 2011. Epilithic and epiphytic diatoms of the shores of the largest Italian lake investigated in the frame of a Project on the adaptive biology of the rhodophyte *Bangia atropurpurea* (ACE-SAP Project, A2.WP2). 5th Central European Diatom Meeting (CEDIATOM5), Szczecin, Poland, 24-27/03/2011. Abstract Book (M. Bąk, A. Witkowski, M. Wroniecki, T. Radziejewska, D. Krawczyk, A. Kierzek Eds.): 102-103. ISBN 978-83-7241—823-4.
50. Spitale D., Guella G., La Rocca N., Angeli N., Moro I., Sciuto K., Scalfi A. & Cantonati M. 2011. Coping with desiccation and high irradiance in the eulittoral of a large lake: Adaptive biology of the rhodophyte *Bangia atropurpurea* (ACE-SAP Project, A2.WP2). 10th International Conference of the Aquatic Ecosystem Health and Management Society. Siena (Italy). June 13-15. *Program & Abstracts* (S. Loisel & M. Munawar Eds.) P.08: 76.
- 2010
49. Spitale D. & M. Cantonati 2010. Diversità e distribuzione delle briofite di sorgenti del Trentino. In: 20. Congresso dell'Associazione Nazionale Musei Scientifici, 17-19 Novembre 2010, Ferrara, Italy, *Programma e Riassunti*: 97.
48. Cantonati M., Spitale D., Scalfi A., 2010. Adaptive traits of the Rhodophyte *Bangia atropurpurea* in relation to water-level-fluctuations-related stressors in the phytobenthos of the large, peri-alpine Lake Garda. 13th Scientific Meeting of the Phycology Section of the German Botanical Society. 14-17 March 2010, Island Reichenau, Lake Constance (Germany)
- 2009
47. Rott E., Cantonati M. & L. Füreder, 2009. Airborne acidification of headwaters: Can it be differentiated from natural conditions using biota? *American Society of Limnology and Oceanography* ASLO Meeting, Nice 25-30/1/2009. *Abstract Book*: 231.
46. Scalfi A., Spitale Daniel & M. Cantonati, 2009. Littoral phytobenthos of the largest Italian lake (L. Garda), with focus on the adaptive traits of the rhodophyte *Bangia atropurpurea* in relation to water-level-fluctuations-related stressors. *North American Benthological Society (NABS) 57th Annual Meeting*, Grand Rapids, MI, USA (17-22 May, 2009). Session 45 (Periphyton) (305).
45. Cantonati M., Spitale D., Scalfi A., Angeli N., Guella G., Frassanito R., Andreoli C., La Rocca N., Moro I. & K. Sciuto, 2009. A2-WP2 Target species *Bangia atropurpurea* (Roth) C. Agardh. ACE-SAP Project (Alpine ecosystems in a changing environment: Biodiversity Sensitivity and Adaptive Potential) 1st Annual General Meeting, Trento, Italy (7th of May, 2009). *Abstract Book*: 11-12.
- 2008
44. Frassanito R., Ines Mancini, Marco Cantonati and Graziano Guella, 2008 Modern mass spectrometric strategies in "lipidomics". 1st French-Italian Conference on Mass Spectrometry: Fundamentals and applications of mass spectrometry.
- 2007
43. Cantonati M., Lange-Bertalot H. & E. Bertuzzi, 2007 – Taxonomy and ecology of new or interesting species from springs of the south-eastern Alps. 1st Central European Diatom Meeting (1st CE-Diatom) (23-25/03/2007, Berlin, Germany). *Abstract Book* (Kusber W.-H. & R. Jahn Eds.): 15-16.
42. Frassanito R., Cantonati M., Spitale D., Mancini I., Scalfi A. & Guella G., 2007. Secondary metabolites from target spring organisms and monitoring of target compounds in spring habitats. 30th Congress of the International Association of Theoretical and Applied Limnology. August 12-18, 2007 Montréal, Canada. *SIL 2007 Abstracts CD*.
- 2006
41. Cantonati M., 2006 – Diatoms from the mires of Danta (Site of Community Importance, Cadore, South-Eastern Alps, Italy) – 20th Meeting of German Speaking Diatomists. Institute of Botany ASCR. Trebon, 23-26/03/2006. *Abstracts*: 8.
40. Cantonati M., Angeli N., & E. Bertuzzi, 2006 – Diatoms from a selection of springs considered within the CRENODAT Project (Autonomous Province of Trento, South-Eastern Alps, Italy) – 20th Meeting of German Speaking Diatomists. Institute of Botany ASCR. Trebon, 23-26/03/2006. *Abstracts*: 9.
39. Cantonati M., 2006 - Diatoms from the mires of Danta: a Site of Community Importance of the south-eastern Alps (Italy) - 19th International Diatom Symposium (28 August – 3 September 2006, Listvyanka, Lake Baikal, Russia). *Abstract Book*: 26.
- 2005
38. Cantonati M., Bertuzzi E. & A. Scalfi, 2005 – Diatoms in the CRENODAT Project (Biodiversity assessment and integrity evaluation of springs of Trentino – Italian Alps – and long-term ecological research) - 19. Tagung Deutschsprachiger Diatomologen (DDT) vom 10.-13.03.2005. Neuhaus/Dierhagen (Ostsee). *Abstract book*: 37-38.
37. Cantonati M., 2005 – Diatoms from springs in the Dolomiti Bellunesi Natural Park (Central-Eastern Alps, Italy) - 19. Tagung Deutschsprachiger Diatomologen (DDT) vom 10.-13.03.2005. Neuhaus/Dierhagen (Ostsee). *Abstract book*: 39-40.
36. Bagnoli C., Cantonati M., Ghetti F., Spitale D. & M. Tardio - Lack of reddening in Lake Tovel (Brenta Dolomites, Trento, Italy): Photobiological aspects – European Symposium of Photobiology.
- 2004
35. Rimet F., Bertuzzi E., Cantonati M., Cappelletti C., Ciutti F., Cordonnier A., Coste M., Goma J., Tison J., Tudesque L., Vidal H., Huck V. & L. Ector, 2004 – Distribution of diatom assemblages in high altitude watercourse in Western Europe: implications for the System A of the Water Framework Directive - 18. Tagung Deutschsprachiger Diatomologen. 26-28/03/2004. Limnologische Station Iffeldorf. *Abstracts*: 11.
34. Angeli N., Cantonati M., Rossetti G., Filippi M. L., & Frisia, S., 2004 - The study of subfossil diatoms from Holocene sediments in a mountain lake (Lake Lavarone, Trentino, NE Italy): Preliminary results. 18. Tagung Deutschsprachiger Diatomologen (DDT) vom 26.-28.03.2004. Limnologischen Station, Iffeldorf. *Abstracts*: 12.
33. Bertuzzi E., Farina A. & M. Cantonati, 2004 - L'ecologia del paesaggio ed i micropaesaggi delle sorgenti. XIV Congresso Nazionale Società italiana di Ecologia: "Conservazione e gestione degli ecosistemi". Siena. 6-8 ottobre 2004.
32. Cantonati M., Guella G., Oss Cazzador P., Angeli N., Bertuzzi E., Lazzara M. & D. Spitale, 2004. Il progetto CRENODAT - Biodiversità e valutazione dell'integrità delle sorgenti del Trentino e ricerche ecologiche a lungo termine. XIV Congresso Nazionale Società italiana di Ecologia: "Conservazione e gestione degli ecosistemi". Siena. 6-8 ottobre 2004.

31. Tardio M., Spitale D., Cantonati M. & M. Simoni, 2004 - Effetti del grazing dello zooplankton sui popolamenti fitoplanctonici del Lago di Tovel (Trentino): indicazioni da esperimenti in mesocosmi. *XIV Congresso Nazionale Società italiana di Ecologia: "Conservazione e gestione degli ecosistemi"*. Siena. 6-8 ottobre 2004.
30. Bertuzzi E., Cantonati M. & A. Nespoli, 2004 – Long-term ecological research in springs of the Adamello-Brenta Natural Park: six years of diatom data - 18. *Tagung Deutschsprachiger Diatomologen*. 26-28/03/2004. Limnologische Station Iffeldorf. Abstracts: 10.
- 2003
29. Cantonati M., Sturm M., Lami A., Filippi M., Angeli N., Appleby P., Corradini F., Cristofolini V., Dini F., Gottardini E., Guella G., Guillizzoni P., Kulbe T., Lazzara M., Lencioni V., Manca M., Marchetto A., Massaferrò J., Oeggel K. & N. Rose – Paleolimnology of a mountain lake of the Alps once interested by a spectacular reddening due to dinoflagellate blooms – *Book of Abstracts of the 3rd International Limnology Congress (ILIC 3)*. Tucson, Arizona, March 29 – April 2, 2003.
28. Cantonati M., Sturm M., Lami A., Lazzara M., Angeli N., Appleby P., Corradini F., Cristofolini V., Dini F., Gottardini E., Guella G., Guillizzoni P., Kulbe T., Lencioni V., Manca M., Marchetto A., Massaferrò J., Oeggel K. & N. Rose – 2003 - *The Work package 2 of the BEST Project*. The contribution of Paleolimnology to a multidisciplinary Study on a mountain lake renowned because of red tides due to dinoflagellates – 9th *International Paleolimnology Symposium*. Espoo, Finland, August 24.-28. *Abstract Volume* (Sorvari S., Salonen V.-P., Korhola A. & Ojala A. Eds.): 162.
27. Frisia S., Filippi M., Cantonati M. & A. Borsato – Multi proxy-data from lacustrine environments, calcareous tufa and moonmilk: Environmental and ecosystem responses to Holocene climate variability in Trentino (NE Italy). The Oloambient Project – *Book of Abstracts of the 3rd International Limnology Congress (ILIC 3)*. Tucson, Arizona, March 29 – April 2, 2003.
26. Cantonati M., Spitale D. & M. Tardio - Competition between a planktonic diatom and a dinoflagellate during enclosure experiments in a mountain lake – *Abstract Book of the 17th German Speaking Diatomists' Symposium with international Contributions*: N. 6. Bremen, 03-06 April 2003.
25. Cantonati M., Bertuzzi E. & G. Corradini, 2003 - Diatoms of high mountain streams of Natural Parks of Western Trentino (Italian Alps) – *Abstract Book of the 17th German Speaking Diatomists' Symposium with international Contributions*: N. 7 Bremen, 03-06 April 2003.
24. Frassanito R., Guella G., Di Giuseppe G., Cantonati M., Tardio M., Mancini I. & F. Dini, 2003 - An integrated molecular approach to the study of the phylogeny and of the secondary metabolism of the freshwater dinoflagellate *Glenodinium sanguineum* - *Eur. Congr. of Protistology*. S.Benedetto. September 2003.
23. Tardio M. & M. Cantonati, 2003 - La nuova stazione limnologica del Museo Tridentino di Scienze naturali al lago di Tovel - *XIII Congresso Nazionale Società italiana di Ecologia: "Ecologia Quantitativa: metodi sperimentali, modelli teorici, applicazioni"*. Como. 8-10 settembre 2003. *Programma e riassunti* (a cura di R. Casagrandi & P. Melià): 86.
22. Spitale D., Cantonati M. & M. Tardio, 2003 - Rappresentatività dell'evoluzione del fitoplancton in diverse tipologie di mesocosimi - *XIII Congresso Nazionale Società italiana di Ecologia: "Ecologia Quantitativa: metodi sperimentali, modelli teorici, applicazioni"*. Como. 8-10 settembre 2003. *Programma e riassunti* (a cura di R. Casagrandi & P. Melià): 98-99.
21. Cantonati M., Lazzara M., Angeli N., Corradini F., Rossetti G., Tavernini S., Tolotti M. & E. Bertuzzi, 2003 – Valutazione del valore naturalistico e individuazione delle principali problematiche di gestione dei laghi d'alta quota situati su rocce cristalline di diversa natura - *XIII Congresso Nazionale Società italiana di Ecologia: "Ecologia Quantitativa: metodi sperimentali, modelli teorici, applicazioni"*. Como. 8-10 settembre 2003. *Programma e riassunti* (a cura di R. Casagrandi & P. Melià): 88.
20. Cantonati M., Angeli N., Lazzara M., Filippi M. & S. Frisia, 2003 - I sedimenti di laghi del Trentino: utili archivi per la ricostruzione delle variazioni ambientali e climatiche - *XIII Congresso Nazionale Società italiana di Ecologia: "Ecologia Quantitativa: metodi sperimentali, modelli teorici, applicazioni"*. Como. 8-10 settembre 2003. *Programma e riassunti* (a cura di R. Casagrandi & P. Melià): 88-89.
19. Cantonati M., Spitale D. & M. Tardio, 2003 – Competition between a planktonic diatom and a dinoflagellate during enclosure experiments in a mountain lake – 17th *Meeting of German Speaking Diatomists*. Alfred-Wegener-Institut für Polar- und Meeresforschung. Bremerhaven, 03-06/04/2003. Abstracts: 6.
18. Cantonati M., Bertuzzi E. & G. Corradini, 2003 – Diatoms of high mountain streams of Natural Parks of Western Trentino (Italian Alps) – 17th *Meeting of German Speaking Diatomists*. Alfred-Wegener-Institut für Polar- und Meeresforschung. Bremerhaven, 03-06/04/2003. Abstracts: 7.
17. Rimet F., Bertuzzi E., Cantonati M., Cappelletti C., Ciutti F., Cordonier A., Coste M., Gomà J., Tison J., Tudesque L., Vidal H. & L. Ector, 2003 - Répartition des assemblages de diatomées dans des cours d'eau élevés en Europe occidentale : implications pour la typologie – 46^{ème} *Congrès annuel de l'Association Française de Limnologie*. Metz, 15-18 December 2003.
- 2002
16. Cantonati M., Corradini G., Marchetto A., Tolotti M. & E. Bertuzzi, 2002 – Diatom indicators of very low alkalinity high mountain freshwater environments – 16th *Meeting of German Speaking Diatomists, Innsbruck, 14-17.03.2002. Abstract book*: 44-45.
15. Angeli N., Cantonati M., Rossetti G. & S. Scola, 2002 - Un originale apporto per una conoscenza dettagliata della biodiversità delle diatomee bentoniche del Lago di Tovel (Riserva speciale del Parco Naturale Adamello-Brenta) - *Le zone umide montane in Italia: esperienze di ricerca e gestione*, Parma, 27-29 giugno 2002, *Libro degli abstract*: 25.
14. Frassanito R., Guella G., Mancini I., Cantonati M. & M. Tardio, 2002 – Electrospray-ion trap mass spectrometry characterization of new galactolipids isolated from the freshwater dinoflagellate *Glenodinium sanguineum* - *Atti di "Massa 2002. An International Symposium on Mass Spectrometry"*. Cetraro, 27-6/1-7 2002.
13. Cantonati M., Bertuzzi E., Marchetto A., Tolotti M. & M. Lazzara, 2002 - *Achnanthes acidoclinata* Lange-Bert. and associated species as indicators of very low alkalinity high mountain freshwater environments – 17th *International Diatom Symposium*. Ottawa, Canada, 25-31 August, 2002 *Book of abstracts*: 20.
12. Tolotti M., Thies H., Cantonati M. & D. Tait, 2002 – Flagellate algae (Cryptophyceae, Chrysophyceae, Dinophyceae) in 48 high mountain lakes of the Northern and Southern slope of the Eastern Alps. - *Zusammenfassungen der Beiträge der Tagung "Zoologische und botanische Forschung in Südtirol / Ricerca zoologica e botanica in Alto Adige"*, 12-14/9/2002, Bolzano/Bozen: 12-13.
11. Cantonati M., Lazzara M., Tolotti M., Bertuzzi E. & M. Tardio, 2002 – A book to document the ecological condition of the high mountain lakes of the Adamello-Brenta Natural Park (Trentino, Italy) – *Forum alpinum, Die Natur der Alpen*. 23-27 September. Alpbach (Austria).
10. Tolotti M., Thies H., Cantonati M. & D. Tait, 2002 – Flagellate algae in 48 high mountain lakes of the Northern and Southern slope of the Eastern Alps – *Forum alpinum, Die Natur der Alpen, Alpbach*. 23-27 September. Alpbach (Austria).
- 2001
9. Cantonati M., 2001 - Preliminary observations on the depth distribution of epilithic diatoms in lake Tovel (Italian Alps, 1178 m a.s.l.) with special reference to *Cymbella ancyli* - *Abstract book des 15. Treffens Deutschsprachiger DiatomologInnen mit Internationaler Beteiligung*, 22-25 März, Stettin, Poland
8. Cantonati M., 2001 - Depth distribution of epilithic diatoms in lake Tovel (1178 m a.s.l., Adamello-Brenta Regional Park, Italy) – 7th International Phycological Congress, Thessaloniki, Greece, 18-25 August 2001. Congress Abstracts. *Phycologia*, Suppl. 40(4): 104.
7. Angeli N, Cantonati M. & S. Casellato, 2001 - Lo zooplankton di due laghi d'alta quota soggetti a impatti antropogenici diretti e indiretti - *XV Convegno Nazionale del Gruppo d'Ecologia di Base "G. Gadio"*, Trento, 5-7 maggio 2001. *Abstract Book*: 56.
- 2000
6. Cantonati M., Lencioni V., Maiolini B., Tagnin L. & M. Tolotti, 1999 (2000) - Il Museo Tridentino di Scienze Naturali studia le Alpi: AASER (Arctic and alpine stream ecosystem research) – *Atti XI Congresso dell'Associazione Nazionale Musei Scientifici (ANMS)*, Napoli 1996. *Museol. Sci. - Suppl.*, 16(1): 85-92.
5. Cantonati M., 2000 - A long-term monitoring project in springs of the Southern Alps - *Proceedings of the International Symposium High mountain lakes and streams, Indicators of a changing world. Innsbruck, 4-8 September 2000*: 48.
4. Cantonati M., Rott E., Tolotti M., Angeli N., Corradini F., Franceschini A., V. Lencioni & G. Rossetti, 2000 - The biota of high mountain lakes on siliceous substratum of the Adamello-Brenta Regional Park (Southern Alps): biodiversity and human impacts - *Proceedings of the International Symposium High mountain lakes and streams, Indicators of a changing world. Innsbruck, 4-8 September 2000*: 56.

1999

3. Cantonati M., 1999 - Die Kieselalgengemeinschaften des Lebermooses *Chiloscyphus polyanthos* var. *rivularis* in einem Gebirgsquellbach im Adamello-Brenta Naturschutzgebiet (Trentino, Italien) - *Zusammenfassungen der Beiträge des 13. Treffens Deutschsprachiger DiatomologInnen mit Internationaler Beteiligung, 25-28 März, Kröchlendorff - Berichte des Institutes für Gewässerökologie und Binnenfischerei*, Heft 7(Sonderheft II): 57.

1996

2. Cantonati M., 1996 - Aspects of the hydrobiology of mountain springs of the Adamello-Brenta Regional Park (Trentino, Italy) - *1st European Symposium of spring ecology and conservation*. Münster: 6-10 marzo 1996

1995

1. Cantonati M. & A.M. Bonettini, 1995. Ecomorfologia di sorgenti del Sarca nel Parco Adamello-Brenta (Trentino) - *Atti del XII Convegno del Gruppo per l'Ecologia di Base "G. Gadio"*. Ferrara: 7-9 maggio 1994. *Quad. Staz. Ecol. civ. Mus. St. nat. Ferrara*, 9: 345-351.

l) Contributions to meetings and workshops without published abstract:

2018

Cantonati M. 2018. Research and dissemination activities on spring habitats in the Limnology & Phycology Section of the MUSE - Museo delle Scienze. Workshop ASPIRE. 1st Meeting Arbeitsgruppe 'Alpenquellen'. December 7th-8th 2018. Hilpoltstein (Germany).

Cantonati M. 2018. Freshwater Benthic Diatoms of Central Europe: Over 800 Common Species Used in Ecological Assessment. Approfondimenti sulla tassonomia delle diatomee bentoniche d'acqua dolce: verso il processo di normalizzazione del circuito d'interconfronto. AssoARPA, CISBA, ISPRA, University Trieste. Trieste. February 6-7th 2018. Università degli Studi di Trieste. Aula Magna - Edificio M (Botanica).

2017

Cantonati M. 2017. Nuova risorsa per il riconoscimento delle microalghe diatomee per la valutazione della qualità ambientale. APPA-TN, CISBA, ISPRA, MUSE. November 20-23rd 2017. MUSE, Trento.

2015

Marchetto A. & Cantonati M. 2015. Nascita e sviluppi della limnologia alpina. Meeting *L'acqua nelle terre alte: un percorso di ricerca attraverso il sistema alpino*. Verbania Pallanza - CNR ISE, December 4th 2015.

Cantonati M. 2015. Springs: The forgotten habitats. Mini-Symposium "Quellen" & Lukas Taxböck's PhD Thesis Defence. Institute of Systematic Botany. University of Zurich. November 10th 2015.

2013

Cantonati M. & Lange-Bertalot H. (with contributions of Martyn Kelly and David Armanini) 2013. New freshwater araphid diatom species from different freshwater habitats. *2nd European Workshop on Diatom Taxonomy 2nd EWDT*, Thonon-les-Bains, (20-21 September, 2013).

Rosati M., Cantonati M., De Nardo M.T., Segadelli S. & Rossetti G. 2013. Conoscenze sull'ostracodofauna di sorgenti in Italia e obiettivi e metodi per un nuovo ciclo di ricerche in Appennino settentrionale. Meeting of Italian Ostracodologists. 22-24 February. Catania. Sicily.

2012

Cantonati M. 2012. Ricerche su ambienti acquatici, con particolare attenzione alle sorgenti e alle microalghe diatomee. *Convegno "Documentazione della biodiversità e valorizzazione del pregio naturalistico del Settore trentino del Parco Nazionale dello Stelvio attraverso le ricerche del Museo delle Scienze"*. Cogolo di Peio (TN), 01/06/2012. Convegno organizzato da: Museo delle Scienze (MUSE) e Parco Nazionale dello Stelvio (PNS).

2010

Cantonati M., Spitale D. & Scaffi A. 2010. Adaptive traits of the rhodophyte *Bangia atropurpurea* in relation to water-level-fluctuations-related stressors in the phytobenthos of the large, peri-Alpine Lake Garda. *13. Scientific Meeting of the Section Phycology of the German Botanical Society (DBG)* e.V., 14.-17. March 2010. Island of Reichenau – Lake Constance, Germany.

2009

Cantonati M., 2009. Ecological and morphological data on some of the main *Achnanthyidium* species in spring habitats of natural preserves of the Alps (carbonate substratum). *1st European Workshop on Diatom Taxonomy (1st EWDT)*, Luxembourg, (26-27 November, 2009). [invited]

Cantonati M., 2009. 3. Internationale Quellwoche im Nationalpark Gesäuse. [invited] 12.07-20.07.2009. National Park Research Program – LIFE Project

Cantonati M. 2009 – Diatomee come indicatori di integrità e qualità negli habitat sorgivi (progetto CESSPA e progetto CRENODAT) – *Workshop 05 organizzato dall'Autorità di Bacino del Fiume Adige*, 18-03-2009, Museo di Scienze Naturali dell'Alto Adige, Bolzano.

2008

Cantonati M. & N. Angeli, 2008. La biodiversità nascosta del Parco Naturale Adamello-Brenta: specie e generi nuovi per la scienza scoperti negli habitat sorgivi (Progetto CRENODAT). *Convegno "Pianificazione e gestione della biodiversità nelle aree protette alpine: esperienze a confronto"*. 27-28 novembre 2008. Trento. Provincia Autonoma di Trento – Servizio Conservazione della Natura e Valorizzazione Ambientale. [Poster]

Cantonati M., Tardio M., Spitale D. & N. Angeli, 2008. Ricerche ecologiche di lungo corso e biodiversità acquatica per il monitoraggio dei cambiamenti climatici e ambientali. Il Progetto ACQUA_TEST-PNAB. *Convegno "Pianificazione e gestione della biodiversità nelle aree protette alpine: esperienze a confronto"*. 27-28 novembre 2008. Trento. Provincia Autonoma di Trento – Servizio Conservazione della Natura e Valorizzazione Ambientale. [Poster]

2007

Cantonati M. & E. Bertuzzi, 2007 – 2nd Central European Diatomists Meeting (CE-Diatom), Trento, Italy, 12-15 June 2008, Venue: Trento Nature & Science Museum - Limnology and Phycology Section, 1st Announcement - 1st Central European Diatom Meeting (1st CE-Diatom) (23-25/03/2007, Berlin, Germany).

2005

Cantonati M., 2005 – Spring research in the Limnology and Phycology Section of the Museo Tridentino di Scienze Naturali with special attention to the CRENODAT Project - 2. Internationaler Workshop "Karstwassermanagement und alpine Schutzgebiete". June 09-10/06/2005. Johnsbad, Nationalpark Gesäuse (Austria).

Cantonati M., 2005 – Spring research in the Limnology and Phycology Section of the Museo Tridentino di Scienze Naturali - Workshop "Aktionsprogramm Quellen: Stand und Perspektiven". September 12-13/09/2005. Muhr am See (Germany).

1998

Internationale Quellwoche im Nationalpark Berchtesgaden. [invited]

1997

Internationale Quellwoche im Nationalpark Berchtesgaden. [invited]

In fede, 16 maggio 2019

Dr Marco Cantonati