Curriculum Vitae

MILAJIGULI MILAJIGULI

Research Interest

Quantum estimation and discrimination theory, characterization of quantum states, statistical data analysis.

Education

12/2016 – 3/2020	School of Advanced Studies, University of Camerino, Italy Thesis: Quantum Estimation with Constraints Advisor: Prof. Stefano Mancini **Degree:** Ph. D. in Mathematics
11/2013 – 4/2016	School of Science & Technology, University of Camerino, Italy Thesis: On The Estimation of Quantum Channels with Environment Assistance Advisor: Prof. Stefano Mancini **Degree:** Master in Applied Mathematics
9/ 2001 – 7/2005	Department of Mathematics, Beijing Normal University, China Thesis: Regression Analysis on the Life Quality of the Residence in Xinjiang Advisor: Li yong **Degree:** B. Sc. in Statistics

Work Experience:

♦ **Lecturer** Department of Mathematics and Physics, Xinjiang Agricultural University   08/2006 – 10/2013
  Courses taught: Elementary calculus, advanced algebra, probability theory & statistics, multivariate statistical analysis.

Publications:

SCI journals

1. M. Rexiti, S. Mancini, *Quantum estimation through a bottleneck,* submitted to the journal Quantum Information Processing, arXiv:1909.03274v2;
2. M. Rexiti, S. Mancini*, Adversarial versus cooperative quantum estimation,* Quantum Information Processing **18**, 102 (2019);
3. M. Rexiti, D. Felice, S. Mancini*, The Volume of Two-Qubit States by Information Geometry,* Entropy, **20**, 146 (2019);
4. M. Rexiti, S. Mancini*, Estimation of two-qubit interactions through channels with environment assistance,* International Journal of Quantum Information **15**, 1750053 (2017);

Other journals

1. M. Rexiti, S. Mancini, *Privacy in quantum estimation*, Proceedings **12**, 13 (2019);
2. Jialiexi, Milajiguli, *Quantitative analysis of glucose, fructose and xylose in honey by multivariate calibration methods*, Chinese Journal of Analysis Laboratory **09** (2011);
3. Jialiexi, Milajiguli, *Determination of phenols in water by UV-spectrometer with partial least square*, Xinjiang Agricultural Sciences **10** (2010);
4. N. Aili, Milajiguli, D. Tuerhan, *Factors influencing the teaching quality of minority-student classes in universities: from teaching the advanced mathematics prospective*, Journal of Xinjiang Agricultural University **02**, (Uighur edition) (2010);
5. N. Aili, Milajiguli, D. Tuerhan, *An empirical study about living quality of inhabitant in west China*, Journal of Xinjiang Agricultural University **05** (2009);

Conferences & Workshops Attended

Oral presentations

 1. *Quantum 2020, Workshop of the INFN research network "Quantum – finite and infinite quantum systems ", 06/2/2020 – 07/2/2020, Bologna, Italy.*

Poster presentations

 1. *12th Italian quantum information science conference (9 – 11 September 2019), Milan, Italy;*

 2. *Quantum 2019 (26 May – 1 June 2019), Turin, Italy;*

 3. *Workshop on Ubiquitous Quantum Physics: the New Quantum Revolution at the ICTP (18 – 01 March 2019), Trieste, Italy;*

 4. *World Quantum Physics Congress (10–13 December 2018), Stockholm, Sweden;*

 5. *11th Italian quantum information science conference (9 – 11 September 2018), Catania, Italy;*

Language Skills

Mother Tongue:	Uyghur
Other:	Chinese Mandarin (Fluent)
	English (Good)
	Italian (A2)

Highlights of Qualifications

Computer Skill

Languages:	Pascal, C.
Packages:	Matlab, Mathematica, SAS, SPSS, R, S-PLUS,
Systems:	DOS, MS-Windows.