

ASHISH AVINASH GORULE, PhD

Department of Life and Environmental Sciences,

Section of Neuroscience

University of Cagliari, Monserrato, Cagliari, Italy 09042

Objective

I strongly desire to pursue my career in Neurosciences and grow to the best in this field. To help me in this direction, I am looking for University that offers me a challenging, stimulating, and learning environment to work in and provide scope for an individual development and career growth.

Professional experience

- Assistant Professor in Pharmacology (Department of Pharmacology)
SRE's Sanjivani college of Pharmaceutical Education and Research, Kopergaon
September 2012 – February 2013

Academic qualification

- **Doctor of Philosophy (Ph.D.)**- Neurosciences (March 2016)
Department of Life and Environmental Sciences, Section of Neuroscience
University of Cagliari, Italy
Thesis title: "Neonatal maternal separation and alcohol abuse in C57BL/6J mice: A study of the functional alterations of GABAergic and GLUergic systems and the possible protective role of estrogen"
Supervisor: Prof. Enrico Sanna
- **Master of Pharmacy (M. Pharmacy)**- Pharmacology (June 2012)
University of Pune, India
Thesis title: "A study of herbal formulation containing *Mucuna pruriens*, *Nardostachys jatamansi*, and *Withania somnifera* with respect to antiparkinsonian activity"
Supervisor: Prof. Sanjay B Kasture
- **Bachelor of Pharmacy (B. Pharmacy)**- Pharmaceutics, Pharmacology, Pharmacognosy, Medicinal chemistry (April 2010)
University of Pune, India
Thesis title: "Herbal toxicity in children: An overview"
Supervisor: Prof. Neeraj S Vyawahare

Industrial training

- Trainee in quality assurance technique
AGIO Pharmaceuticals Limited
Bhosari, Pune, India 411026
- Trainee in vaccine production technique
Serum Institute of India research foundation
Hadapsar, Pune, India 41028

Research skills

- **Electrophysiological studies**
Preparation of brain slices
Extracellular field potential technique to study synaptic plasticity
Intracellular patch clamp technique to study neurotransmission systems
- **Neurochemical studies**
Staining of brain slices
Confocal microscopy to study of morphology and interconnections of neuronal networks
- **Behavioural pharmacology studies**
Handling of the animals
Different animal models to study the disease and effect of drug such as Parkinson's disease
Use of stereotaxis instrument for brain lesions
- **Handling of Instruments**
Handling of various instruments such as HPLC which is useful for micro dialysis studies

Computer skills

- Good proficiency in use of software used for statistical analysis such as Graph Pad Prism.
- Certificate course in programming in "C"
- Certificate course in computer hardware
- Maharashtra state certificate course in information technology

Research papers

- Licheri V., Talani G., **Gorule A.A.**, Mostallino M.C., Biggio G., Sanna E.
Plasticity of GABA A receptors during pregnancy and postpartum period: From gene to function
Neural Plasticity, Vol. 2015, Article ID 170435

Poster presentation

- **Gorule A.A.**, Talani G., Licheri V., Biggio G., Sanna E
Repeated maternal separation in C57Bl/6J mice: Changes in hippocampal GABAergic and GLUergic synaptic function and increased voluntary ethanol consumption
XVI Congress of the Italian Society for Neuroscience, Cagliari, 2015

- Talani G., Licheri V., Di Lucente J., Firino L., Cocco L., **Gorule A.A.**, Biggio G., Sanna E. Changes in function of GABAergic transmission and synaptic plasticity in the hippocampus of C57BL/6J mice exposed to repeated maternal separation
Society for Neuroscience, Washington DC, 2014
- **Gorule A.A.**, Kasture S.B.
Study of herbal formulation containing *Mucuna pruriens*, *Nardostachys jatamansi*, and *Withania somnifera* with respect to antiparkinsonian activity
International congress of the Society for Ethnopharmacology, Graz, 2012
- **Gorule A.A.**, Vhanale S.K., Bhalke R.D.
Analgesic activity of *Bauhinia racemosa* leaves
Avishkar, University of Pune, 2010
- Awatade N.T., **Gorule A.A.**, Vyawahare N.S.
Herbal toxicity in children: An Overview
Indian pharmacological society, Delhi 2008
- **Gorule A.A.**, Vyawahare N.S.
Herbal toxicity in children: An overview
Guru Ghasidas University, Chattisgadh, 2008

Workshop and certificate course

- Dalla Nanomedicina al Brain imaging. Le nuove frontiere delle Nanobioteconologie
- 5 Days workshop on animal tissue culture
- Three day national level seminar on Behaviour, Brain Systems, and Preclinical evaluation
- National seminar on Prospects and Perspectives in Pharmaceutical Research
- Certificate course in medical genetics

Achievements

- Registered pharmacist approved by Maharashtra State Pharmacy Council
- Qualified GATE examination
- Qualified national level Pharmacy Talent Search Examination (Junior Level)

Personal Information:

- **Date of Birth:** 29th August 1987
- **Nationality:** Indian
- **Language known:** English, Marathi, Hindi, Italian

References

- **Prof. Enrico Sanna**
Department of Life and Environmental Sciences, Section of Neuroscience,
University of Cagliari, Italy
E-mail: esanna@unica.it

- **Prof. Sanjay B Kasture**


Director, Pinnacle Biomedical Research Institute,
Bhopal, India

E-mail: kasturesb1@gmail.com

- **Prof. Sanjay R Arote**

Principal, SRE's Sanjivani College of Pharmaceutical Education and Research,
Kopargaon, India

E-mail: sanjayarote@rediffmail.com


(Ashish A. Gorule)