

Panikar Surya A S

Molecular Biologist/ Medical Geneticists

Experienced doctoral Research Fellow adept at developing, executing and evaluating high-quality research into molecular and genetics field. Recently done with PhD in Medical Genetics at MGMIHS.

Contact

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Skills

- Advanced research
- Research project design
- Research Data Collection
- Socio-economic research
- MS Office

Languages

- English
- Hindi
- Marathi
- Tamil
- Malayalam

Work History

11/2017- Till Date **Research Fellow/ Asst Lecturer**

MGM School of Biomedical Sciences, Navi Mumbai, Maharashtra

Laboratory Work & Teaching

- COVID Sample Testing (RT-PCR)
- DNA/RNA Isolation
- TB GeneXpert , COVID GeneXpert
- Conventional PCR-RFLP
- ELISA
- Spectroscopy
- Electrophoresis
- Karyotype
- Bioinformatics (Basics)
- Lectured masters in Biotech/ Genetics/Clinical Embryology and Nursing Students
- Collaborated with staff to develop and implement best practices and accomplished all team goals.
- Authored professional scientific papers for publishing in peer-reviewed journals.

06/2016-04/2017 **PGT**

Narmada Devi Singaniya International School, jhunjhunu, Rajasthan

Teaching

- Taught CBSE Students From Grade IX to XII
- Worked to maintain outstanding attendance record, consistently arriving to work ready to start immediately.

07/2015-04/2016 **Lab Assistant**

Ramar Laboratory, Chennai, Tamilnadu

- Assisted with ordering supplies and equipment, calibrating instruments and preventive maintenance.
- Prepared specimens for testing and analysis.
- Performed diagnostic and therapeutic laboratory procedures.
- Logged samples correctly into computerized tracking system.
- Assisted with support duties such as filling products, labeling products, testing samples and taking inventory.
- Carefully reviewed test results for accuracy.

04/2012-08/2013 **Clinical Instructor**

Shenbaga College, Chennai, Tamilnadu

- Implemented new educational techniques to boost student comprehension while reducing learning time.
- Provided educational lectures and facilitated discussions on weekly basis.
- Supervised students when administering medications to maintain patient safety.
- Analyzed clinical settings' effectiveness in helping students achieve course and program outcomes.
- Implemented instructional presentations to communicate coursework goals.
- Provided nursing skill demonstrations for medication administration, dressing changes, and clinical logs
- Assigned students to patients based on students' learning objectives and patient needs.
- Worked with department heads, staff and faculty to develop engaging curriculum and advance instruction for all nursing programs.

Educational History

2017/08 – 2021/09 **Ph.D Medical Genetics**

MGM Institute of Health Sciences, Navi Mumbai, Maharashtra

- Thesis entitled “ Associative Role of MTHFR, PR, TYMS6bpdel Polymorphisms with Reference to Pre-Term Delivery.

2013/08 – 2015/08 M.Sc. Medical Genetics

MGM School of Biomedical Sciences, Navi Mumbai, Maharashtra

- Dissertation entitled “Developing a Protocol for Plasmodium Species using Nested PCR”.

2007/08 – 2011/09 B.Sc. Nursing

MSAJ College of Nursing, Chennai, Tamil Nadu

2006/06 – 2007/08 Higher Secondary School

St. Marys Higher Secondary School, Chennai, Tamil Nadu

2004/07 – 2005/03 SSC

VSS High School, Koipallikaranma, Kerala

Additional Information

Paper Published

- Panikar S, Sharma S, Thakur M. Study of Methylene Tetrahydrofolate Reductase MTHFR (C677T) Polymorphism Association with Preterm Delivery. Innovations in Food, Environment and Healthcare (NCIFEPH-2018). 2018 Sep 28:41.
- Surya P, Sunil S, Mansee T. A Decade Review: Preterm Labor and Homocysteine. Research Journal of Biotechnology Vol. 2021 Feb;16:2.

Paper Accepted

- Manuscript entitled “PROGINS Progesterone Receptor Gene Polymorphism as a Risk Factor for Preterm Delivery accepted in Journal of Medical Pharmaceutical and Allied Sciences. ISSN No. 2320-7418 (in Volume-10 Issue-6 of JMPAS November-December 2021.

Copyright Published

- Copyright no. L-83409/2019 entitled “Role of MTHFR Genetic Polymorphism in Preterm Labour and Birth”.
- Copyright no. L-96390/2020 entitled “In Silico Based Study Using Molecular Analysis for Progesterone Receptor Gene in Preterm Deliveries”.

Awards and Achievements

- 1st Prize in Poster Presentation: “Role of MTHFR gene in Preterm Labor and Birth” at Pillai College New Panvel.
- 1st Runner Up in Poster Presentation: “Role of PR (PROGIN) Mutation in Preterm Labor and Birth” at CKT, New Panvel.