

Dr Nesin Mathew PhD

PhD holder in Neurophysiology working as Assistant Professor in
Neurophysiology interested in Consciousness Research

Education

**National Institute of
Mental Health and Neuro
Sciences (NIMHANS)**

Karnataka, Bangalore

Submitted thesis: Nov 2017

PhD Neurophysiology

-Thesis title "The role of Constraint
Induced Movement Therapy (CIMT)
in cortical plasticity in animal model
of intracortical Ischemic Stroke"

Bangalore University

Karnataka, Bangalore

2007

MSc Biotechnology

-72%

-CSIR- UGC: NET- Junior Research Fellowship (JRF)

-Subjects involved Biochemistry,
Biophysics, Biostatistics, Molecular
Biology, Bioinformatics, Genetic
Engineering, Biotechnology ,
Developmental Biology,
Immunotechnology and Bioprocess
Engineering

Periyar University

Tamil Nadu, Erode

2005

BSc Biotechnology

-73%

-Subjects involved Cell Biology,
Genetics, Microbiology, Physiology,
Biochemistry, Molecular Biology,
Immunology, Developmental Biology,
Biotechnology and industrial
Microbiology

**Board of Higher
Secondary Examination**

Kerala

2002

Plus Two

-First Class with Distinction

Mathematics, Physics, Chemistry,
Biology

Kerala State Board

Kerala

2002

SSLC (10th)

-First Class with Distinction

Current Position

Assistant Professor
Neurophysiology
Department of Psychology
CHRIST University
Bangalore
Aug 2020- Till date

Roles:

- Teaching Neuroscience (Neuroanatomy and Neurophysiology) and Life Science (Cell biology, Genetics, Biochemistry, Medicinal chemistry, Physiology) to undergraduate and post graduate students in Psychology and Behaviour Science.
- Research – Independent PI
- Guiding PhD Scholars.
- Guiding research projects for graduate students
- Assessment of Students with Mentoring.
- Participating in curriculum design
- Participating in establishment of Neuroscience and Life science laboratory

Research Experience

1. Ongoing Research topics and Collaborations (2020-)

- a) Research on Consciousness – Bridging materialists' theories and non-physical theories in consciousness in collaboration with Dr Mathew Chandrankunnel
- b) PhD proposal in the field of Neuromarketing (Role: Principal Investigator)
- c) PhD proposal in the field of Dissociative disorder and consciousness (Role: Principal Investigator)
- d) Graduate thesis in the field of Neuroarchitecture (Role: Co-Investigator)
- e) Dissertation guide to various undergraduate thesis on cognition and emotion.

2. PhD Neurophysiology (2011-2018)

- **Successfully developed ischemic stroke rat model with behavioural and neurological deficits.**
- Standardised a method for **Golgi-Cox staining** of brain tissues with better clarity and perceptibility.
 - **Single unit *in vivo* recording of neural activity** in conscious animals.
 - **Immunohistochemical staining** of brain tissue.
 - Successfully completed Ph D Course work.

3. Project Fellow (2010): Kerala Forest Research Institute, Peechi

Worked as a project fellow for project entitled “Technology for low-cost micropropagation for *Bambusa balcooa* and *Thysostachys oliverii*” in the department of Biotechnology.

Professional Experience

Sysplex Bio and Clinical Solutions

Bangalore

June 2008- Dec 2009

Clinical research Consultant

Roles:

- Teaching various processes involved in clinical research especially in early phases to doctors who take part in Clinical Research.
- Preparing and maintaining the documents and records.
- Preparation of notes and assessment

Project Experience

MSc Project

Bangalore

July 2006 – May 2007

Project Title: Insilco Studies in Cathepsin K Inhibitors

Project Description: The main aim of the project is to study the interaction of Cathepsin K inhibitors with Cathepsin through bioinformatics tools.

BSc Project

Erode

June 2004 – May 2005

Project Title: Invitro culture studies on *Crotalaria juncea* and comparison of Nitrogen Fixing ability *in vivo* & *in vitro*

Project Description: Tissue culture study on *Crotalaria juncea*

Publications

Author name- Nesin Mathew / Sibin Mathew Nesin

Links to webpages

Google Scholar- <https://scholar.google.com/citations?user=xC6AIxMAAAAJ&hl=en>

Loop - <https://loop.frontiersin.org/people/1361467/overview>

ResearchGate- <https://www.researchgate.net/profile/Nesin-Mathew>

University website- <https://m.christuniversity.in/dept/faculty-details/NDc1MA==/NzAx>

Research Articles

- **Nesin SM**, Sharma K, Burghate KN, Anthony M. Neurobiology of emotional regulation in cyberbullying victims. *Front Psychol.* 2025 Mar 5;16:1473807. doi: 10.3389/fpsyg.2025.1473807
- **Nesin, S. M.**, & Chandrankunnel, M. (2025). The need for a new perspective on decision-making in bacteria. *Communicative & Integrative Biology*, 18(1). <https://doi.org/10.1080/19420889.2025.2463926>
- **Sibin Mathew Nesin**, Sabitha K. Rajesh, Anupam Gupta and T.R. Laxmi, Constraint Induced Movement Therapy as a rehabilitative strategy for ischemic stroke – linking neural

plasticity with restoration of skilled movements, *Journal of Stroke and Cerebrovascular Diseases* 2019; 28(6), doi: 10.1016/j.jstrokecerebrovasdis.2019.02.028.

- **Sibin Mathew Nesin**, Vikash Prasad, Anupam Gupta and T.R. Laxmi, Differing Pellet Size During Reach to Grasp Task Modulates Skilled Forelimb Movements. *Indian Journal of Physiology and Pharmacology* 2017; 61(3).
- Aditi N Rao, Shynu RV, Sibin Mathew Nesin, Enhancing Educational Spaces for Neurodiverse Learners: Design Standards and Inclusive Solutions, *Archi-Texts e-journal*, 2025; 2(1).
- Sonika R M, Reethika R, Pooja K, Abinaya J, Sibin Mathew Nesin, Analysing the safety of a campus using special syntax, 9th Zero Energy Mass Custom Home International Conference, ZEMCH 2022.
- Eshitha Iyer, Arya B, Abinaya J, Sibin Mathew Nesin, Evaluating the elements in the recreational space of an institution, 9th Zero Energy Mass Custom Home International Conference, ZEMCH 2022.
- S Baarat Krishna, Hiruthik Dharshan, Rajiv Vinod, Abinaya J, Sibin Mathew Nesin, Analysing the safety of a campus using special syntax, 9th Zero Energy Mass Custom Home International Conference, ZEMCH 2022.

Book Chapters

1. **Nesin Mathew**, Laxmi T R, Reach to grasp task: a model of skilled forelimb test: *Current Physiological Techniques: From Basic to Applied Aspects* (2013). National Institute of Mental Health and Neuro Sciences, pp 162-164.
2. **Nesin Mathew**, Laxmi T R, Rotarod: motor behavior testing: *Current Physiological Techniques: From Basic to Applied Aspects* (2013). National Institute of Mental Health and Neuro Sciences, pp 165-166.
3. **Nesin, Sibin Mathew**, and Yogesh Kanna Sathyamoorthy. "Psychoneuroimmunology of Yoga and Meditation." *Research Methodologies and Practical Applications in Psychoneuroimmunology*, edited by K. Jayasankara Reddy, IGI Global, 2025, pp. 323-346. DOI: 10.4018/979-8-3693-7432-0.ch015
4. Yogesh Kanna Sathyamoorthy , **Nesin, Sibin Mathew**, and Ranjith Sinha. " Future Research and Emerging Trends in Mindfulness and Immunology." *Research Methodologies and Practical Applications in Psychoneuroimmunology*, edited by K. Jayasankara Reddy, IGI Global, 2025, pp. 371-392. DOI: 10.4018/979-8-3693-7432-0.ch017
5. Rabia Abhay, **Sibin Mathew Nesin**; "Unseen Motivators: A study exploring the effect of subliminally priming known human faces Vs unknown human faces on consumers product selection decisions", *Future of Customer Engagement Through Marketing Intelligence*, IGI Global, 2024, pp. 245-264, DOI: 10.4018/979-8-3693-2367-0.ch012

Activities:

- Life Member of Indian Academy of Neuroscience.
- Certified for care, breeding and management of laboratory animals.
- Served as a mentor in DST sponsored 5th SERC School in Neuroscience on Learning and Memory.
- Guest Editor in *Frontiers in Psychology*.

Awards

- Junior Research Fellowship Award from University Grand Commission (UGC).
- Senior Research Fellowship Award from University Grand Commission (UGC).
- Best Poster Award (Neuroscience) at CUSAT-NUS Joint International Conference on “Biotechnology and Neuroscience” (CUSBAN-2016), Cochin, December, 2016
- Best Paper Presented at Bioscience department, T. John group of institutions, Bangalore, 2007

Skills

- Recognising research problems, Critical thinking and Problem solving
- Scientific Writing
- Teaching, Guiding and Assessment
- Project designing and Scientific Data Analysis
- Working in the exam cell of the university as deputy chief of examination.

Contact Information

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Phone: +91-7829762879

Address

#5, 8th Cross, Munireddy Layout

J P Nagar 8th Phase, Bangalore- 560076

Personal Information

Date of Birth: 27-05-1985

Gender: Female

Husband's Name: Sabin Joseph

Religion: Christian Roman Catholic

Languages: English, Malayalam, Hindi (Read, Speak and Write); Tamil, Kannada (Speak)

References

Dr Mathew Chandrankunnel (Guide)

DVK, Bangalore

Email: chandrankunnel@gmail.com

Dr Laxmi T Rao (PhD Guide)

Professor

Department of Neurophysiology,

NIMHANS, Bangalore- 29

Email: laxmi.r@gmail.com

Phone: +91-80-2699 5178

Mr Abhay Rajendran (PhD Scholar)

Department of Psychology

CHRIST Deemed to be University

Email: abhay.rajendran@res.christuniversity.in

Phone: +91-9207453827

Declaration

I hereby declare that the above information provided by me is true to the best of my knowledge

Bangalore

Nesin Mathew