



## Dr. Banumathe Karuppaya

Associate Professor

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Office Location: 33-29.

Time at UoN: Since 2024

Marital Status: Married.

### **Academic Qualifications**

Doctor of Philosophy (Ph.D.), Manipal Academy of Higher Education, India, 2018

Master of Science in Psychology (M.Sc.Psy), The Tamilnadu Open University, Chennai, India., 2011

Master of Occupational Therapy (MOT) in Pediatrics, KMCH College of Occupational Therapy, The Tamilnadu Dr. MGR Medical University Affiliated, India., 2010

Bachelor of Occupational Therapy (BOT), KMCH College of Occupational Therapy, The Tamilnadu Dr. MGR Medical University Affiliated, India., 2007

### **Teaching Activities**

Occupational Therapy Strategies-I, Fall 2024

Clinical Conditions-II, Fall 2024

Paediatric Occupational Therapy-I, Fall 2024

Paediatric Occupational Therapy-I, Spring 2025

Occupational Therapy Strategies-I, Spring 2025

## **Research Activities**

### **- Research Interests**

School Based Occupational Therapy

Occupational Therapy in Children with Learning Disabilities

Occupational Therapy in Neonatal Intensive Care of High Risk Infants

Sensory Integration Therapy for Children with Autism Spectrum Disorder

Behavior Therapy for Children with Special Needs

Selfcare Training for Children with Autism Spectrum Disorder

### **- Conference Presentations**

Paternal Participation in the Care of the Preterm Infant during Neonatal Intensive Care Unit Admission in a Tertiary Hospital: A Cross-sectional Study, The 4th Health Research Forum, Nizwa, Oman, 04/12/2024

Patterns of Sensory Processing Abilities in Preterm Infants: A Cross- Sectional Study, 2nd National Rehabilitation Conference, Muscat, Oman, 02/11/2024

Correlation Between Preterm Infants` Illness Severity and Maternal Postpartum Health, The International Conference on Interprofessional Education Practice and Care, Melaka, Malaysia, 16/12/2023

Relationship of Visual Perception, Visual Motor Integration and Handwriting with Academic Performance in Elementary School Children: A Cohort Study, Malaysian Occupational Therapists National Conference, Melaka Malaysia, 14/03/2023

Relationship between Visual Perception and Academic Performance in Elementary School Children: A Cohort Study, 55th Annual National Conference of All India Occupational Therapist's Association, Nagpur, India, 01/02/2018

Relationship between Handwriting and Academic Performance in Elementary School Children: A Cohort Study, International Conference on Impact of global issues on women and children, Manipal, India, 01/01/2017

Relationship between Visual Motor Integration and Academic Performance in Elementary

School Children: A Cross-sectional Study, 53rd Annual National Conference of All India Occupational Therapist's Association , Chennai, India, 01/01/2016

### **- Conference Attendance**

2nd National Rehabilitation Conference-Shaping the Future of Rehabilitation for 2040 , Muscat, Oman, 02/11/2024

The International Conference on Interprofessional Education Practice and Care, Malaysia, 16/12/2023

Malaysian Occupational Therapists National Conference, Malaysia, 14/03/2023

55th Annual National Conference of All India Occupational Therapist's Association, India, 01/02/2018

International Conference on Impact of global issues on women and children, India, 01/01/2017

53rd Annual National Conference of All India Occupational Therapist's Association , India, 01/01/2016

### **- Publications**

#### **Article:**

1. 2024 Active Adults have Thicker Peripheral Muscles and Diaphragm: A Cross-Sectional Study, Poovitha Shruthi P, Leena R David, Peter Hogg, Guruprasad V, Banumathe K R, Shovan Saha, Rajagopal Kadavigere. F1000Research 2024, 13:277, DOI: 10.12688/f1000research.135239.2

2. 2023 Impact Of Yoga on The Cognitive Function Among Desk-Based Workers., Aishwarya Shetty, Baskaran Chandrasekaran Koustubh Kamath, Sneha RavichandRajagopal Kadavigere, Leena R David,, Banumathe Karuppaya, Guruprasad Vijayasarathi, F1000Research 2023, DOI: 10.12688/f1000research.135379.2

3. 2022 KAP assessment regarding obesity for obese individuals (Copyright), Diary No: 3226/2022-CO-L, 2022, Copyright Office, Government of India

4. 2018 What is the Nature of the Activities Used for Children in Kindergarten?, Banumathe, KR and Nadkarni, Saniya Sidhesh and Narayanan, Namita and John, Jithin . Indian Journal of Public Health Research & Development, 9 (12). pp. 245-248. ISSN 0976-0245

5. 2017 Relationship between Visual Motor Integration and Academic Performance in Elementary School Children., Banumathe, KR and Sharma, PSVN and Binu, VS and Guruprasad, V Online Journal of Health and Allied Sciences, 16 (1). pp. 1-4. ISSN 0972-5997

6. 2016 Methods of Handwriting Assessment in Occupational Therapy: A Quick Reference, Banumathe KR, Sharma PSVN and Binu VS Indian Journal of Physiotherapy and Occupational Therapy, 10 (1). pp. 19-21

7. 2012 Effectiveness of Videotaped/Photographs in Teaching Handling Techniques for Caregivers of Children with Spastic Cerebral Palsy, Guruprasad, V., Banumathe, K. R., & Balakrishnan, T. Global Research Analysis, 1(2), 82-84

8. 2012 An Observational Study on Sensory Based Outdoor Play Preferences in children aged between 3-12 years: A Preliminary Study, Banumathe, K. R., Ram, V. I., Pinto, A., & Jonathan, S. International Journal of Current Research and Review.4.18, 4(17), 20

9. 2012 Effectiveness of sensory motor and behavior therapy on drooling in children with cerebral palsy, Banumathe, KR, Sugi S, Guruprasad, V Physiotherapy and Occupational Therapy Journal, 5(3), 133-138

#### **Conference or Workshop:**

1. 2023 Relationship of Visual Perception, Visual Motor Integration and Handwriting with Academic Performance in Elementary School Children: A Cohort Study, Banumathe KR, Sharma PSVN and Binu VS Perdana International Journal of Health Sciences

#### **Faculty Administrative Experience**

2022 - 2024: Program Director - Manipal University College Malaysia, Melaka, Malaysia  
*Team lead to start the new bachelor degree program in occupational therapy*

2018 - 2022: Member - Institutional Research Empowered Committee- Manipal University, India

2016 - 2022: Academic Coordinator (BOT Program) - Department of Occupational Therapy, Manipal College of Health Professions, Manipal University, India

2011 - 2015: Assistant Academic Coordinator (BOT Program) - Department of Occupational Therapy, Manipal College of Health Professions, Manipal University, India

2011 - 2018: Standardized Assessments Laboratory Coordinator - Department of Occupational Therapy, Manipal College of Health Professions, Manipal University, India

#### **Community Services**

08/04/2024: Tips for Parents on Impact of Dyspraxia on ADLs, Play and Ideation

01/05/2021: Podcast Panel Discussion on Home Based Structure Interventions for

Differently Abled Children during COVID Crisis

02/04/2021: Training Session for Parents and Special School Teachers on Handling Children with Autism & Down Syndrome

### **Membership in Professional Bodies**

2023-2024: Associate Member of Malaysian Occupational Therapist's Association, Malaysia

2022-Present: Health and Care Professions Council, UK

2008-Present: Academic Council of Occupational Therapy, India

2008-Present: All India Occupational Therapist's Association, India

### **Award and Recognitions**

2023 Best Poster Presentation for the scientific paper

2023 Bronze Oral Presentation Award Expert Category for the scientific paper

2018 Gazala Makda Trophy for the best scientific paper in Pediatrics

2016 Gazala Makda Trophy' for the best scientific paper in Pediatrics

Ref.: <https://www.unizwa.edu.om/staff/chs/banumathe>