Syed Aasish Roshan S

DBT- Junior Research Fellow, Molecular Gerontology lab, Bharathidasan University

Working on research focusing on adult neurogenesis and neuroplasticity in rat ischemic stroke models.





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EDUCATION

B.Tech Biotechnology

Anna university of Technology, BIT campus, Trichy

08/2010 - 05/2014

MSc Neuroscience

Dr.ALM Post Graduate Institute of Basic Medical Sciences, University of Madras, Taramani

08/2016 - 05/2018

PhD Biochemistry Bharathidasan University

05/2018 - Present

PROJECTS WORKED

Isolation and characterization of poultry feather degrading keratinase (09/2013 - 04/2014)

B.Tech Dissertation project; Under guidance of Dr.B.Anandaraj, Department of Biotechnology, AUT-BIT Campus

Synaptic mitochondrial role in functional restoration by enriched environment after transient global cerebral ischemia(TGCI) in rats. (08/2017 - 05/2018)

MSc Dissertation Project; Under the guidance of Dr.R.Ramesh Kumar, Department of Anatomy, IBMS Taramani.

Development of fourth generation Bio-fuel from Arundo donax : Literature Review (01/2011 – 02/2011)

Intradepartment Project

Integrated human genome database for genetic disorder diagnosis: Literature Review

Rehabilitation methods to support Brain Transplantation: Literature Review

WORKSHOP

IBRO-APRC School on Advanced Techniques to Explore the Functions of Normal and Diseased Brain (04/2019 -05/2019)

Workshop on Fluorescent Based Assays- FACS Workshop (03/2019)

ACADEMIC ACHIEVEMENTS

DBT-JRF Biotechnology Entrance Test (BET)-2018 Category -1

GATE-Biotechnology (2018)- 92nd percentile

Tamilnadu State Eligibility Test (TN-SLET)-2018

CSIR-NET- LS- December 2018

Best Presentation- IBRO-APRC School on Advanced Techniques to Explore the Functions of Normal and Diseased Brain

Title: Search for the addiction engram in Nucleus accumbens

WORK EXPERIENCE

R&D Incharge, Enzyme Amaze Biotech, Erode

09/2015 - 05/2016

Manufacturers of textile enzymes and auxillaries

- Development of textile application methods for enzymes
- Optimization of alpha amylase for desizing application
- Utilization of enzymes in textile dyeing procedures

Quality Control Analyst Thai Biotech, Trichy

03/2015 - 08/2015

Manufacturers of Industrial Enzymes

Focused on

- Quality analysis of industrial enzymes
- Formulation development for industrial enzymes

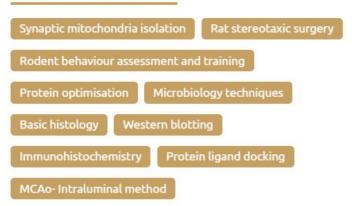
Research Intern NTHRYS Biotech, Hyderabad

10/2014 - 03/2015

Biotech research institute

Bioinformatics- CADA analogues against gp120 - CD4 interaction of HIV

TECHNICAL SKILLS



Adult Neurogenesis Prion Diseases Astronomy

Adult Neurogenesis		Prion Diseases	Astronomy
Basketball	Olymp	ic weightlifting	DIY projects
PC & Console gaming		Cycling	

PUBLICATIONS

- Kandasamy M, Radhakrishnan RK, Poornimai Abirami GP, Roshan SA, Yesudhas A, Balamuthu K, Prahalathan C, Shanmugaapriya S, Moorthy A, Essa MM, Anusuyadevi M. Possible Existence of the Hypothalamic-Pituitary-Hippocampal (HPH) Axis: A Reciprocal Relationship Between Hippocampal Specific Neuroestradiol Synthesis and Neuroblastosis in Ageing Brains with Special Reference to Menopause and Neurocognitive Disorders. Neurochem Res. 2019 Aug;44(8) 1781-1795. doi:10.1007/s11064-019-02833-1. PMID: 31254250.
- Kandasamy M, Yesudhas A, Poornimai Abirami GP, Radhakrishnan RK, Roshan SA, Johnson E, Ravichandran VR, Biswas A, Shanmugaapriya S, Anusuyadevi M, Aigner L. Genetic reprogramming of somatic cells into neuroblasts through a co-induction of the doublecortin gene along the Yamanaka factors: A promising approach to model neuroregenerative disorders. Med Hypotheses. 2019 Jun;127 105-111. doi:10.1016/j.mehy.2019.04.006. PMID: 31088631.

BOOK CHAPTERS

 The Regulation of Reactive Neuroblastosis, Neuroplasticity and Nutraceuticals for Effective Management of Autism Spectrum Disorder
GP Poornimai Abirami, Risna Kanjirasseri Radhakrishnan, Esther Johnson, Syed Aasish Roshan,

Ajisha Yesudhas, Suhadha Parveen, Abir Biswas, Vijaya Roobini Ravichandran, Anusuyadevi Jayachandran*, and Mahesh Kandasamy*