

Anish Mohan

Alleppey, Kerala

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To pursue a career in biomedical research and teaching by integrating to a multi-disciplinary environment and supporting the development of the portfolio from both logistic and a scientific angle.

Being a team player

and gain strength along with excellence.

Personal Details

Date of Birth: 1986-04-04

Eligible to work in: India

Work Experience

Assistant Professor

Hindustan College of Arts & Science - Coimbatore, Tamil Nadu

July 2022 to May 2023

Mentoring students, Conducting practical.

Any other administrative work assigned.

Technical Assistant (Research)

MODEL RURAL HEALTH RESEARCH UNIT - Sirvar, Karnataka

November 2015 to October 2021

Carryout day to day research related activities and any other scientific and logistics support asked for.

Institution was involved in translational research as a part of my job I had to collect, process patient samples from partnering medical colleges, PHC's and CHC's. Focus areas included Communicable diseases , Water analysis, Iodine deficiency disorders.

Project Fellow

Department Of Biotechnology, University Of Kerala. - Thiruvananthapuram, Kerala

August 2012 to August 2013

Small animal handling.

My role involved isolating spleenocytes from immunized Balb/c mice for development of monoclonal antibodies and polyclonal antibodies for specific tumor antigens for development of ELISA based indigenous immunodiagnostic kits.

Junior Research Fellow

Rajiv Gandhi Centre for Biotechnology - Thiruvananthapuram, Kerala

August 2011 to July 2012

Project involved translational cancer research. My role involved collection, processing and thereby determining if the collected tumor tissue sample is drug resistant.

Education

Master's in Biomedical technology

Sree Chitra Tirunal Institute for Medical Sciences And Technology, Trivandrum. - Thiruvananthapuram, Kerala

August 2010 to July 2011

Master's in Biotechnology

St. Berchman's college - Changanacheri, Kerala

June 2007 to May 2009

Bachelor's in Biotechnology

S.R.M. Institute of Sciences and Technology - Chennai, Tamil Nadu

June 2004 to May 2007

Skills / IT Skills

- FACS, MACS, Handled human and animal tissue samples, Primary cell culture, Animal cell culture, DNA isolation, AGE, Perfusion culture, In-vivo and in-vitro cytotoxicity analysis, Microbial culturing and maintenance.

Languages

- English - Fluent
- Hindi - Fluent
- Malayalam - Fluent

Online Profile

<https://www.researchgate.net/profile/Anish-Mohan>

Awards / Achievements

Phytochemical, antiproliferative and antioxidant properties of medicinal plant extract ASPE carried out at Regional Cancer Centre (RCC).

July 2009

Carried out M.Sc. dissertation at RCC, to determine the effect of a medicinal plant extract ASPE on tumor in Balb/c mice and invitro cell lines. Cell cytotoxicity analysis along with phytochemical and antioxidant properties of the extract was part of the study.

Cancer cell line maintenance, ascitic tumor maintenance in mice, in-vivo and in-vitro cytotoxicity analysis, phytochemical analysis and determining antioxidant property of the extract, ASPE, was also carried out.

Support of pneumocyte specific properties by different scaffolds under dynamic condition at Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram, Kerala.

July 2011

Determining the effect of various culture conditions, perfusion culture and static culture, along with the effect of different scaffolds have on pneumocyte specific properties like surfactant protein expression was studied.

Primary cells from Wistar rat, A549 cell lines, perfusion cell culture using minucell system, gene expression analysis by qRT PCR, AFM were used in the study.

Projects / Papers Presented

Influence of choice of scaffolds and culture conditions on maintenance of tissue specific properties in vitro.

March 2012

Abstract published in Proceedings of International conference on Biological Sciences. The publication involved a comparative study of static and dynamic culture of pneumocytes seeded on various scaffolds. Difference in pneumocyte specific properties exhibited by the Wistar rat primary cells and A549 cell lines in different culture conditions and on different scaffolds of choice was highlighted.

Support of Pneumocyte-specific properties by different scaffolds under dynamic conditions.

August 2011

In the publication mentioned, different scaffolds of choice was highlighted along with their effect on pneumocyte specific properties. Various scaffolds seeded with A549 cells were studies upon. AFM analysis of the scaffolds of choice were also carried out as the part of the study.

Prevalence of Goitre and Iodine deficiency among school children (6-12 years) in rural areas of North Karnataka, India: A cross sectional survey, 2016-19.

<http://journals.lww.com/JFMPC>

September 2023

Prevalence of Iodine deficiency disorders among 6-12 year school children in rural areas of North Karnataka region, India

Additional Information

Six years and ten months experience in translational health research.

One year of experience as Assistant Professor in Biotechnology.

Completed online course in;

Nler 103: Scientific Writing in Health Research from ICMR-National Institute of Epidemiology, October 2022.

An Introduction to Good Lab Practices from Alison (Course publisher- NPTEL), June 2023.