

Adaikkalam Vellaichamy, Ph.D

Professor

Centre for Biotechnology

Anna University

Chennai - 600 025 INDIA

Ph: +91-44-22358367 (office)

E-mail : adai@annauniv.edu; adaiks98@yahoo.com



Ph.D : National University of Singapore (1998-2002)

M.Tech: Anna University, Chennai, India (1991-1993)

27 years of research experience including 5 years in industry and 14+ years in abroad

Research Interest: Proteomics, Genomics, and Metabolomics; Mass-spectrometry; Cancer Biology and Biomarker Discovery.

BRIEF SUMMARY:

- Associate Professor in Anna University (from 2012)
- Instrumental in bringing one of the most sophisticated and cutting-edge research platform- “MALDI-TOF Mass-spectrometry” to Anna University through AU-DBT BUILDER grant (Rs. 10.54 Cr). PI of proteomic facility (Rs. 4.8 Cr) and Deputy Coordinator of the programme.
- PI of individual grants of about Rs. 62 Lakhs
- Introduced modern subjects to PG courses (eg. Advanced Technologies in Omics Sciences) and updated/modified the subject content for UG & PG courses (eg. Bio-nanotechnology, Genomics and Proteomics)
- Other roles served: Faculty advisor for UG/PG classes, Project supervisor for UG/PG/MS by Research/ PhD/Post-doc candidates, Project Coordinator for all PGs in the department, Faculty Coordinator for student symposia, Department Coordinator for NAAC/NIRF & Entrepreneurship development, External Member of Board of studies.
- Given several invited talks on Omics Research, DC member for scholars within and outside of AU, External expert for Ph.D awards, Attended workshops & FDP programs, Presented at international conferences and published in peer-reviewed & reputed international journals.

PAST POSITIONS:

- 2010- **Assistant Member (Faculty)** - Department of Nanomedicine & **Co-Director** – Proteomics Programmatic core, The Methodist Hospital Research Institute, Texas Medical Center, Houston, USA
- 2008- **IGB Fellow**, Institute for Genomic Biology, University of Illinois at Urbana Champaign, USA
- 2005- **Post-doctoral Research Fellow**, Michigan Center for Translational Pathology, University of Michigan, Ann Arbor, USA
- 2003- **Post-doctoral Fellow**, Genome Institute of Singapore, A-STAR, Singapore

INDUSTRIAL EXPERIENCE:

1993 – 1998 **Scientist** - Biotechnology, Malladi Research Center, Malladi Drugs and Pharmaceuticals Pvt. Ltd., Chennai, India.

MEMBERSHIP OF SOCIETIES:

1. American Society for Mass-spectrometry (ASMS)
 2. Proteomics Society of India (PSI)
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