

Dr. U.S.N. Murty

Dr. U.S.N. Murty had done M.Sc from Andhra University in 1980 and PhD from Osmania University (1990). He started his research career in WHO Centre Pondicherry in 1981 followed by Central Sericultural Research and Training Institute (CSR&TI) Mysore in 1983. He joined in IICT in 1984 as a Scientist B rose to the level of Chief Scientist and Head Biology Divn. His research interests are Biotechnology, Toxicology, Bioinformatics, Integrated Vector control and Disease Modelling and Public Health. He published more than 140 papers in peer reviewed journals, contributed 10 chapters and edited three books. His work is highlighted in Prestigious like Lancet Infectious, Nature India, Trends in Parasitology etc., Dr Murty is the recipient of many national and international awards. Dr Murty visited many countries like USA, Canada, Germany, UAE, Czech Republic, Hungary, Edinburgh (UK), London (UK), etc.

QUALIFICATION

- M.Sc. Ph.D. (Zoology) OU Hyd, PGDEM, (Univ Hyd)
- POST DOC at Colorado State Univ, Fort Collins USA 1992

EXPERIENCE

- 34 years of Research Experience in the area Biotechnology, Toxicology & Integrated control of Vector Borne Diseases

AREA OF RESEARCH INTEREST

- Vector Borne Disease Management & Disease Modelling
- Biotechnology, Toxicology and Bioinformatics
- Public Health

AWARDS AND HONORS

- Awarded World Health Organization and Tropical Disease Research (1992).
- Awarded German Research Foundation Fellowship by Institute of Tropical Medicine (WHO Centre) , University of Heidelberg (2005) Germany.
- Awarded U.S. Defence Award on "Window-on-science (WOS) support" (2006) by Air Force Research Laboratory (AFRL)
- "GOLD MEDAL" for the best lecture in National Conference on "Emerging Trends in Biopharmaceuticals - Relevance to Environment and Health", Thapar University, Patiala, November (2010) by Association of Biotechnology and Pharmacy.
- Received ICMR Prize for Biomedical Research conducted in underdeveloped areas for the year (2010).
- Received Gold Medal and Citation from Zoological Society of India (ZSI) for contributions to the Science and Society (2012).
- Received the prestigious "eNorth East Award - 2011" in the category of "Health Services for doing commendable work on Malaria control and scaling up in Arunachal Pradesh (2012).
- **Visiting Professor:** University of Hyderabad, Hyderabad
- **Visiting Professor:** Centre Disease Modelling (CDM) York University, Canada.

CURRENT MEMBERSHIP OF PROFESSIONAL BODIES

- Life member in "Indian Science Congress Association" (ISCA), Kolkata.
- Life Member in "Applied Zoological Research Association (AZRA)".
- Life member in "Indian Academy of Social Sciences", Allahabad, 2010.
- Life member in "Association of Biotechnology and Pharmacy (ABAP)", Guntur.
- Member in "National Academy Biological Science (NABS)".

- Member, Governing Council (GC) of Andhra Pradesh State Sericulture Development Institute, (Govt of AP), Hindupur, Ananthapur Dist, Andhra Pradesh.
- Member, Research Council (RC) of Andhra Pradesh State Sericulture Development Institute, (Govt of AP), Hindupur, Ananthapur Dist, Andhra Pradesh.
- Elected as "Councilor" for the Indian Academy of Social Sciences (2012-13)

FELLOWS:

- Fellow of Applied Zoological Research Association (AZRA)2007.
- Fellow of Indian Academy of Social Sciences Allahabad 2009. .
- Member National Academy of Science (MNASc), Allahabad 2010. .
- Fellow of Association of Biotechnology and Pharmacy (ABAP) 2010. .
- Fellow of National Academy Biological Science (FNABS) 2010. .
- Fellow of Andhra Pradesh Akademi of Sciences (FAPAS) 2011. .
- Fellow Royal Entomological Society (FRES), London, 2012. .

LIST OF PUBLICATIONS: 140 Scientific publications till date in peer reviewed national and international journals.

BOOKS/CHAPTERS CONTRIBUTED/AUTHORED/EDITED: 3 books, 10 chapters

PATENTS & COPYRIGHTS: 19

NO OF Ph.D's/PG and UG DISSERTATIONS:

- 10 students awarded PhD, till date.
- 8 students are presently working for their doctoral thesis under his supervision, in Osmania University and JNTU, Hyderabad.
- 131 No's of PG and UG (B.Tech) students from different universities of India did their dissertation work under his guidance till date.

MoUs:

- Dr Murty entered into MoUs with 09 national and international organizations including R&D, academia and industry.

TECHNOLOGY TRANSFER:

Dr Murty transferred his technologies for its applications in the real time environment to Ministry of Health Govt of India, Govt of Assam, Govt of Arunachal Pradesh and Govt of Nagaland.

COORDINATOR:

- Advance course in Bioinformatics (Jointly Organized by IICT, CDAC and JNTU-H) from 2001 to 2012
- Environmental Information System (ENVIS) from 2001 to till date {<http://www.iictervis.nic.in/> (Funded by MOEF; Govt. of India)}