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# Dr. Kaiser Jamil

Dean, School of Life Sciences, and Director Centre  
for Biotechnology and Bioinformatics

Jawaharlal Nehru Institute of Advanced Studies  
(JNIAS) Secunderabad- Telangana, India

&

Head of Genetics Department  
Bhagwan Mahavir Medical Research Centre  
(BMMRC)Hyderabad, Telangana, India.

# Brief biodata

- **Dr. Mrs. Kaiser Jamil** is a distinguished Scientist, having worked in 4 renowned Institutions like IICT, CCMB (both premier Institutes of CSIR), University of Sydney (Australia) and at University of Paris (France). During her career as an active researcher, and head of Biology and Biotechnology division of CSIR-IICT, she established multidisciplinary research in biology and expanded into newer areas of R&D.
- She was awarded Emeritus Scientist Award to continue her research and she joined BMMRC.

- *Education*
- *Dr. Kaiser Jamil holds PhD from Osmania University – Hyderabad, and has been Principle Scientist at CSIR’s premier Institutes – IICT and CCMB. Completed her post doctoral work at the University of Sydney- Australa and has been a Visiting Scientist on CNRS-CSIR fellowship at the University of Paris*

# Current Research

- Cancer biology
- Biotechnology and Bioinformatics
- Pharmacogenomics
- Drug-gene Interactions
- Role of SNPs in various Disease Progression and diagnosis
- Genomics in health and Disease.
- Epidemiology and demographics.

# Ph.D. Guide and Mentor

- Guided 30 students for PhD- few more registered.
- Supervised Graduate and post graduate for Project work
- Principle Investigator for Research projects
- Published over 250 papers in National and international Journals. Good IF
- Listed in PubMed, Research Gate and LinkedIn

# Conferences /workshops / seminars/ Editorial Board

- Conducted & participated- in confs; workshops and seminars (National & International).
- Reviewer of several Journals
- **On Editorial board of several Journals**
  - Journal of Solid Tumors ( Canada)
  - Journal of Clinical Oncology (China)
  - Journal of Comparative Physiology and Endocrinology
  - Biology and Medicine (Omics)
  - Asian Journal of Biological Sciences
  - Research Journal of Biotechnology
  - American Journal of Biochemistry and Molecular Biology
  - others

# Awards and Honors

- Fellow of : EMSI, ZSI, NESAs,
- Awarded: “Vidya Shiromani Award” by Telangana Council-2014
- Awarded –”**Distinguished Scientist**” – by Pentagon Research- 2013
- Award the **top 20 scientists** of the country in “Pharmacogenomics”–2011
- **Rockefeller Award**- “Successful women-Successful science”-2012 at Bellagio- Italy.
- **Kuwait Institute Award**- for Plenary lecture on “Female cancers” 2012
- Award for the President **of OWSD Award –by Chinas’ PM at Beijing, China.** -2010 at a conference on “Women Scientist in a Changing World”
- 2011- **Lupin Visiting Fellow**: ICT- Mumbai ( Bioprocess Engineering- Nanotechnology)
- **1988: TWAS/CIDA Sponsorship** for attending International Conference in **Trieste** On Chemical Evolution.
- **1988: Commonwealth Sponsorship Award** (London) for visiting **Zimbabwe** as a Resource Person on Biological Control.
- **1986: NSF Award** for visit to USA as an Expert member, for the International Conference in **Florida, USA** on Aquatic plants for Bio-Remediation and Wastewater treatment
- **1986, IUPAC** Conference Sponsorship in Ottawa, **Canada** for Invited paper presentation.
- **1985: NOCIL Award** for best paper presentation in Pesticide Research. **India.**



# Membership of Academies and Societies

- Society for Biological Chemists of India (**SBCI**) – LM
- National Environmental Science Academy (**NESA**) - LM & **Fellow**
- Indian Association of Pollution Chemists and Biologists (**IAPCB**) - LM & **Fellow**
- Zoological Society of India (**ZSI**) - LM & **Fellow**
- Electron Microscope Society of India (**EMSI**) – LM & Ex-Vice- President, and **Fellow**
- Environmental Mutagenic Society of India (**EMSI**) – LM & Past Executive Member.
- Indian Immunological Society - (**IIMS**) LM
- Indian Society for Cell Biology – LM
- Indian Society for Advancement of Entomology (**ISAE**) – LM
- Indian Women Scientist's Association (**IWSA**) – LM
- Former- **Member of the Task** - Force Committee on Water Hyacinth, Ministry of Energy, Government of India - (1989-1991).
- Former – **Task force Member** – DBT- New Delhi (2001-2004)
- **President- Third World Organization of Women in Science (TWOWS), Trieste Italy (2005 -2010).**
- Life Member of the Society for Biological Control.
- Former- Member of **New York Academy of Sciences** - New York, USA (1997-99)

## **Causes that Dr. Kaiser Jamil cares about:**

- Gender issues
- Science and Technology
- Social Services
- Education
- Environment
- Health
- Human Rights
- Poverty Alleviation

# Brief highlight about her work

- She combines the versatility in adopting different areas like Molecular Biology, Microbiology Bioinformatics and Drug-Gene Interactions for demonstrating the effect of some xenobiotics and metal ion pollutants that cause various malignancies in at least 2% of the population. Her work on SNPs in drug metabolizing genes showed how DNA damage leads to disease progression. Her work on the polymorphisms of drug metabolizing genes and their significance in determining the chemo regimen for therapeutic applications has made a significant impact in the scientific world as molecular diagnosis. Her International has succeeded in developing Models using bioinformatic tools for evaluating these polymorphisms for drug targeting as evidenced in her most recent publications. Her work in the area of Acute Lymphocytic Leukemia was acclaimed as the best paper and their invention was filed as a patent along with her International where they use a statistical approach to have a holistic approach to evaluate the problem of childhood leukemia.

# Molecular Biomarkers & Diagnosis Related Journals

- [Advancements in Genetic Engineering](#)
- [Journal of Molecular and Genetic Medicine](#)



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