

Biosketch: Saraswathi Vishveshwara

Professor (Emeritus) **Saraswathi Vishveshwara**

Molecular Biophysics Unit, Indian Institute of Science, Bengaluru, Karnataka 560012, India
Phone: 080-22932611; Fax: 080-23600535; Email: saraswathi@iisc.ac.in

Current position: National Academy of Science, India (NASI) Platinum Jubilee Senior Scientist

Academic Qualification

B.Sc (Chemistry), M.Sc (Biochemistry): Bangalore University, Bangalore (1968)
Ph.D (Quantum Chemistry): Department of Biochemistry, City University of New York, New York, USA (1974); Mentored by Professor David L. Beveridge

Post-doctoral Fellowship

Carnegie-Mellon University, Pittsburgh, USA (1974-1976) under the mentorship of Nobel Laureate Prof. John A Pople

Molecular Biophysics Unit, Indian Institute of Science, Bangalore (1977-1981)

Faculty at the Molecular Biophysics Unit, Indian Institute of Science, Bangalore

(1981-2009): Lecturer to Professor

(2009-2011): Senior Professor;

(2009-2011): Chairperson, Bioinformatics Centre, IISc

Emeritus Professor

(2011-2015): CSIR Emeritus Scientist

(2015-present): NASI Platinum Jubilee Senior Scientist

Field of specialization: Computational Biology and Bioinformatics

Area of research: Structural Biology, Molecular Dynamics Simulations, Graph Theory and Quantum Chemistry as applied to biomolecules, Biological Networks: Specifically developed Protein Side chain Networks (PSN) to elucidate structure-function relationships in proteins and other bio-macromolecules.

Membership/Fellowship in academies/societies/professional bodies.

Fellow of the Indian Academy of Sciences (F.A.Sc)-2002

Fellow of the National Academy of Sciences (F.N.A.Sc)-2009

Member, The Protein Society, USA

Member, The Indian Biophysical Society

Member, The Indian Crystallography Association

Award: Rustum Choksi award for Excellence in Research, Indian Institute of Science, 2008

Project convener/investigator:

In addition to individual grants,

(agencies from the Government of India):

DST Centre for Mathematical Biology at IISc (2007-2012)

DBT- Computational Genomics at IISc (2002-2007, 2007-2012)

CSIR- NMITLI project (2002-2004)

Industry Sponsored: (PI) Microsoft – Indian Institute of Science Sponsored Research project during (2007-2010)