

**Biosketch:** Saraswathi Vishveshwara

Professor (Emeritus) Saraswathi Vishveshwara

Molecular Biophysics Unit, Indian Institute of Science, Bengaluru, Karnataka 560012, India

Honorary Scientist National Academy of Science, India (NASI)

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**Education and Experience**

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

(2015-2020): NASI Platinum Jubilee Senior Scientist

(2020-present): NASI Honorary 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.

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

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), India-2009

Member, The Protein Society, USA

Member, The Indian Biophysical Society

Member, The Indian Crystallography Association