

# THAYUMANASAMY SOMASUNDARAM

## PROFESSIONAL DUTIES & EXPERIENCE

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- 2003–present Florida State University Tallahassee, FL 32306  
*Associate in Research, X-Ray Facility Director, Institute of Molecular Biophysics*
- 1993–2002 Florida State University Tallahassee, FL 32306  
*Assistant in Research, X-Ray Facility Director, Institute of Molecular Biophysics*
- Manage the Macromolecular X-Ray Crystallography Facility
  - Provide scientific expertise to faculty in data collection at home & synchrotrons
  - Teach students and post-docs crystallographic data collection and analysis
  - Conduct crystallographic and safety workshops
  - Coordinate Institute's safety training & inspection
  - Assist Computer-Resource Personnel maintain IMB website
  - Prepare research highlights of Institute members and display in KLB
- 1989–1993 Boston University Boston, MA 02215  
*Research Assistant Professor, Physics Department*
- Developed high gas-pressure instrumentation for biophysical studies
  - Studied interactions of gaseous hydrophobes with macromolecules
  - Assisted in x-ray & neutron fiber diffraction studies of bacteriophages
- 1987–1989 Center for Cellular & Molecular Biology Hyderabad, India  
*Senior Research Fellow*
- Biophysical characterization of eye lens proteins crystallins
  - Biophysical studies of mechanism of cataract formation in humans

## EDUCATION

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- 1981–1987 Indian Institute of Science Bangalore, India Ph.D (PhysChem)
- 1979–1981 University of Madras Chennai, India M.Sc. (Chemistry)
- 1976–1979 University of Madras Chennai, India B.Sc. (Chemistry)

## MEMBERSHIP

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- American Crystallographic Association, Member, 1995-present
- Biophysical Society, Member, 1995-2000

## PUBLICATIONS

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Published over thirty peer-reviewed articles in international journals. List of publications available upon [request](#).