

**NATIONAL SEMINAR ON  
BIOMOLECULAR STRUCTURE AND DYNAMICS  
(BSAD 2019)**

*Organized by*

Department of Physics, Periyar University, Salem – 636 011, Tamil Nadu.

**(28-29, March 2019)**

<b>PROGRAMME SCHEDULE</b>	
<b>Day-1</b>	
<b>Thursday, 28<sup>th</sup> March</b>	<b>Venue: Senate Hall, Periyar University, Salem</b>
9.00 – 10.00	<b>Registration</b>
10.00 – 11.00	<b>Inaugural Session</b>
Opening Remarks and Welcome Address	<b>Prof. P. Kumaradhas</b> <i>Convener- BSAD2019, Department of Physics, Periyar University, Salem.</i>
Presidential Address	<b>Prof. P. Kolandaivel</b> <i>Vice-Chancellor, Periyar University, Salem.</i>
Keynote Address	<b>Prof. B. Gopal</b> <i>Molecular Biophysics Unit, Indian Institute of Science, Bangalore.</i>
Vote of Thanks	<b>Dr. E. K. Girija</b> <i>Department of Physics, Periyar University, Salem.</i>
11.00 – 11.30	<b>Tea /Coffee Break</b>
<b>Scientific Programme</b>	
<b>Technical Session-I</b>	<b>Chair : Dr. K. Gunasekaran</b>
11.30 – 12.15	Understanding environment dependent transcription changes and adaptation in <i>Mycobacterium tuberculosis</i> <b>Prof. B. Gopal, Indian Institute of Science, Bangalore.</b>
12.15–13.00	Sequence and its three-dimensional structure - A data mining study <b>Prof. K. Sekar, Indian Institute of Science, Bangalore.</b>
13.00 – 14.00	<b>Lunch/Poster Session-I</b>
<b>Technical Session-II</b>	<b>Chair : Dr. E.K.Girija &amp; Dr. T.Palanivel</b>
14.00 – 14.45	Structural and Thermodynamical features reveal newer understanding about "Sialyl" sensing by Lectin <b>Dr. K. Gunasekaran, CAS, University of Madras, Chennai</b>
14.45– 15.15	<b>Tea/ Coffee Break</b>
15.15– 16.00	Computational Simulations the next disruptive technology in Pharma R&D and how prepared are we to capture that wave <b>Dr. R. Raghu, Schrodinger Inc, USA</b>
16.00 –17.00	<b>Oral Presentations - I</b>

<b>Day-2</b>	
<b>Friday, 29<sup>th</sup> March Venue: Senate Hall, Periyar University, Salem</b>	
<b>Technical Session-III</b> <span style="float: right;"><b>Chair : Dr. T. Palvanan &amp; Dr. J. Kalyana Sundar</b></span>	
10.00– 10.45	Molecular Dynamics: a tool for understanding intermolecular interactions <b>Prof. C. Sudharsanakumar, Mahatma Gandhi University, Kottayam</b>
10.45– 11.15	<b>Tea/Coffee Break</b>
11.15– 12.00	Structural analysis reveals not so benign consequences of a Glu to Asp mutation in a Serpin responsible for Chronic Obstructive Pulmonary Disease <b>Prof. Debnath Pal, Indian Institute of Science, Bangalore.</b>
12.00-13.00	<b>Oral Presentations-II</b>
13.00– 14.00	<b>Lunch/Poster Session-II</b>
<b>Technical Session-IV</b> <span style="float: right;"><b>Chair: Dr. R.Ramesh</b></span>	
14.00 – 15.00	Molecular Structures and Molecular Dynamics Simulations <b>Prof. D. Velmurugan, CAS, University of Madras, Chennai</b>
15.00– 15.30	<b>Tea/Coffee Break</b>
15.30 – 16.30	Molecular Dynamics Simulation studies on Protein – Carbohydrate Complex <b>Prof. K. Veluraja, Vellore Institute of Technology, Vellore</b>
16.30 – 17.00	<b>Closing Ceremony</b>