

**Bharati Vidyapeeth's**  
**Dr. Patangrao Kadam Mahavidyalaya, Sangli.**  
**“Second National Conference on Recent Trends in Pure and Applied**  
**Sciences (RTPAS-2020)”**  
**held on**  
**11<sup>th</sup> January 2020**  
**REPORT**

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Registration of delegates began at 9.30 am on **11<sup>th</sup> January 2020**, wherein simultaneously tea was served. The workshop was inaugurated at 10.30 am at the hands of Chief Guest S. I. Patil, Dept. of Physics, Savitribai Phule Pune University, Pune – 411007, under the President ship of Dr. M. Kadam, regional Director, Bharati Vidyapeeth, Sangli. Chairman of the conference was Prin. Dr. D. G. Kanase, M.C. member, SUKOP, Senate member, SUKOP, President, Principal Forum, Sangli district, convener Dr. Jaya V. Kurhekar, Secretary Dr. Prabha M. Patil and Treasurer Mr. P. N. Gaikwad. IQAC coordinator Dr. A. Supale was the coordinator of the event.

The dignitaries on the dais Dr. S. I. Patil, Dr. K. M. Kodam, Dr. H. M. Kadam were florally welcomed and felicitated with shawls, coconuts and flowers at the hands of Prin. Dr. D. G. Kanase while Prin. Dr. D. G. Kanase was felicitated at the hands of Dr. S. I. Patil. Welcome and Foreword was presented by Prin. Dr. D. G. Kanase in which he elaborated on the objectives of the workshop as well as the present status of the college and parent institution. Inaugural Address was delivered by Dr. S. I. Patil while Presidential address was given by Dr. H. M. Kadam. Vote of Thanks was proposed by Dr. Mrs. Jaya Kurhekar. The program was anchored by Mrs. B.K. Bhavikatti.

Inauguration was followed by **Key Note address**

Key Note Address was delivered by Dr. S. I. Patil, Dept. of Physics, Savitribai Phule Pune University, Pune. He talked on Effect of nano-size magnetic particles on the physical properties of oxide systems, with the basics magnetic interactions, transport properties, Valance band spectroscopy discussed in details.

**First Scientific Session**

This was conducted by Dr. Kisan M. Kodam, Biochemistry Division, Department of Chemistry, Savitribai Phule Pune University, Pune, who talked on Bioremediation. He talked

on the importance of microbial bioremediation for the treatment of different inorganic and organic wastes and that biotransformation and biodegradation being suitable ways to overcome pollution problems and thus sustainable development.

This session was followed by Lunch from 1.30 pm to 2.30 pm.

### **Second Scientific Session**

This was conducted by Sushilkumar A. Jadhav, School of Nanoscience and Technology, Shivaji University Kolhapur, who discussed History and Development of Plastic: From Polymers to Polymer Nanocomposites, from 2.30 to 3.30 pm.

He discussed Plastics as the most versatile materials on earth, being used in our daily lives. The era of polymer nanocomposites, with extremely improved properties are being used in almost all technological areas ranging from spacecrafts to biomedical applications. A brief overview of his research on polymers and polymer-grafted hybrid nanomaterials was presented.

This session was followed by Third Scientific Session: 3.30 to 5.00 pm.

### **Third Scientific Session**

#### **Poster presentation and competition inauguration**

Inauguration was done at the hands of Hon. Prin. Dr. D. G. Kanase. 43 posters were presented on a variety of topics under the Science stream. They were judged by Dr. S. V. Pore, Head Dept of Chemistry, MBSSK, Kadegaon and Dr. P. M. Patil, Head, Dept of Zoology, DPKM, Sangli. Three prizes were given.

**1<sup>st</sup> prize: Ms Gurav Nikita, Development and Evaluation of in situ gel formulation for mouth ulcer.**

**2<sup>nd</sup> Prize: Ms Pranoti Munde, Optimization of Lead compounds from natural sources with oral administration suitability targeting breast cancer.**

**3<sup>rd</sup> Prize: Mr. Shivanand Gajare, Anti-cancer, anti-bacterial and hyperthermia potential.**

This was followed by Valedictory Ceremony at 5 pm after a short tea break. Review of the Workshop was taken by coordinator of the conference, Dr. J. V. Kurhekar, Head, Department of Microbiology, Dr. Patangrao Kadam Mahavidyalaya, Sangli. Three participants expressed their views about the conference. Presidential address was put forth by Prin. Dr. D. G. Kanase. Vote of Thanks was presented by Dr. P. M. Patil. Master of Ceremony was Mrs. B. K. Bhavikatti.

The conference was attended by 278 delegates.

### List of Resource Persons

SR. NO.	SESSION	NAME OF RESOURCE PERSON	TOPIC
1	Key Note speech	Dr. S. I Patil, Dept. of Physics, Savitribai Phule Pune University, Pune, Ex VC, Punyashlok Ahilyadevi olkar Solapur University, Solapur	Effect of nano-size magnetic particles on the physical properties of oxide systems.
2	First Scientific Session	Dr. Kisam M. Kodam, Biochemistry Division, Department of Chemistry, Savitribai Phule Pune University, Pune,	BIOREMEDIATION
3	Second Scientific Session	Dr. Sushilkumar Jadhav, School of Nanoscience and Technology, Shivaji University Kolhapur	History and Development of Plastic: From Polymers to Polymer Nanocomposites,



Inauguration of 2<sup>nd</sup> National Conference on Recent Trends in Pure and applied Sciences, 11<sup>TH</sup> Jan 2020



Inauguration of Poster Competition and exhibition at 2<sup>nd</sup> National Conference on Recent Trends in Pure and applied Sciences, 11<sup>TH</sup> Jan 2020



Feedback by participant and judge for poster competition at 2<sup>nd</sup> National Conference on Recent Trends in Pure and applied Sciences, 11<sup>TH</sup> Jan 2020



Prize distribution for poster competition at 2<sup>nd</sup> National Conference on Recent Trends in Pure and applied Sciences, 11<sup>TH</sup> Jan 2020



(Dr. D. G. Kanase)

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