

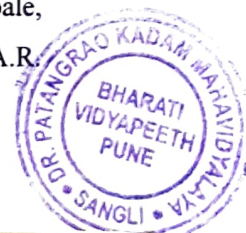
**Bharati Vidyapeeth's**  
**Dr. Patangrao Kadam Mahavidyalaya, Sangli**  
**REPORT ON**  
**Fourth National Conference on**  
**'Recent Trends in Pure and Applied Sciences' (RTPAS-2022)**  
**21<sup>st</sup> and 22<sup>nd</sup> January, 2022**

Fourth National Conference on 'Recent Trends in Pure and Applied Sciences' was organized by Internal Quality Assurance Cell on virtual mode on 21<sup>st</sup> and 22<sup>nd</sup> January, 2022. The main object of this conference was to share knowledge and to discuss on highly current issues in pure and applied sciences.

More than 170 people from the different states were participated in this online mode National conference. Out of these 100 were faculty members and 70 were students. Inaugural function was taken place with the presence of chief guest Hon. Dr. Arun Patil, Vice Chancellor, Sanjay Ghodawat University Kolhapur and Dr. D. G. Kanase, Principal and Member of Management Council, Shivaji University, Kolhapur was the president. The chief guest, Dr. Arun Patil in his inaugural speech said that we had to improve new technology with the demand of the time. He stated that New Education Policy is based on liberal education, hence it is expected to understand its routes and concept in detail. He talked on COVID pandemic and said that we would be able to resolve such problems by coming together. Lastly, he said 'basic science is an important. Dr. D. G. Kanase delivered his presidential address with stating the brief history of Bharati Vidyapeeth. Mrs. Bharati Bhavikatti, Head Department of Microbiology did compare. Dr. Vikas Awale put forward program proposal and Dr. D. P. Nade proposed vote of thanks. The conference was divided into four sessions as follows:

**Session I :**

Dr. Sanjeev P. Maradur, Associate Professor, Poornaprajna Institute of Scientific Research Bengaluru was the resource person and Dr. S. R. Sabale Assistant Professor, P. G. Department of Chemistry, Jaysingpur College, Jaysingpur was the chair person for the first session. Dr. Sanjeev P. Maradur talked on biomass processing technologies for the production of chemicals. He discussed on all the aspects of production of energy and materials from the biomass. He said 'recently, the biomass is gaining interest for the production of chemicals and fuels which are mainly concerned of depletion of petroleum resources and environmental issues caused by chemical and petrochemical industries. He also mentioned that recent policies of the government and interest in academia, industry is encouraging to promote the development of biomass conversion by producing chemicals and fuels in a biorefinery. S. R. Sabale, Chairperson, concluded the session citing key words. This session was hosted by Dr. A.R.



Supale. The research scholars presented their research articles. Oral presentation session was conducted by Dr. A. R. Supale, Dr. T. R. Lohar and Dr. R. N. Deshmukh.

### **Session II :**

Dr. Srinivas Kaveri, Director of CNRS Bureau in India, Embassy of France, New Delhi and Director of Research of INSERM, Sorbonne University, Paris, France was the resource person and Dr. G. V. Mali Head, Department of Microbiology, Y.M. College, Pune was the chairperson. Dr. Srinivas Kaveri talked on Corona Virus and Immunity: Basic and Therapeutic Aspects. He gave detail note on situation of CoVID pandemic particular disease. Dr. G.V. Mali concluded the session and Prof. B. K. Bhavikatti hosted the event.

Dr. Vivek Dham, Senior Advisor, Research and Innovation Section, European Union Delegation was the Resource Person and Dr. B. B. Ballal, Associate Professor, Department of Microbiology, Dr. Patangrao Kadam Mahavidyalaya, Sangli was the chairperson for this session. Dr. Vivek Dham guided on Ph. D. and Post- Doctoral Fellowship in Europe: Opportunities for Young Indian Researchers. Prof. B. K. Bhavikatti hosted the session.

Poster presentation event was also done by participated researchers in the presence of Dr. S. T. Mane and Dr. M.J. Dhanavade. This session was handled as expert by Dr. Rani P. Pawar from Sanjay Ghodawat University, Kolhapur and Dr. Satish Kamble from Institution of Science, Satara.

### **Session III:**

Dr. A. D. Jadhav Coordinator, Center of Excellence Incubation in Sericulture, Department of Zoology, Shivaji University, Kolhapur was the resource person and Dr. V.Y. Deshpande Associate Professor, Department of Zoology, Yashwantrao Chavan College of Science, Satara was the chairperson for the session. Dr. A. D. Jadhav talked on Sericulture: A Global Perspective and Dr. P. M. Patil hosted the session.

Dr. S.G. Dalvi Scientist, Plant Tissue Culture, Vasantdada Sugar Institute, Manjari (Bk), Pune was the resource person and Dr. V.D. Jadhav (Rathod) Head, Department of Botany, Shivaji University, Kolhapur was the chairperson for the session. Dr. S.G. Dalvi talked on Chitosan: A Wonderful Molecule to Contribute Innovations by Biologist. He said "Chitin is an interesting polymer that occurs naturally in fungal cell walls and crustacean cells. Chitin is deacetylated derivative of Chitosan. Chitosan has generated much interest due to its versatile properties and extensive applications in chemical, biomedical, environment, agriculture industry as functional material. He also explained at VSI, Pune Gamma radiation technology has been utilized to obtain its low molecular weight derivatives as well as nanoparticles". Dr. V.D. Jadhav (Rathod) concluded the session. Dr. V.B. Awale hosted the session. Research scholars presented their research articles.



Oral and poster presentation session was conducted by Mr. H. V. Wangikar and Mr. N. G. Bhiram. This session was handled as expert by Dr. Rani P. Pawar from Sanjay Ghodawat University, Kolhapur and Dr. Satish Kamble from Institution of Science, Satara.

**Session IV:**

Dr. Habib M. Pathan Associate Professor, Department of Physics, Savitribai Phule Pune University, Pune was the resource person and Dr. Jayavant L. Gunjalkar Ramanujan Fellow, D. Y. Patil Education Society Institution (Deemed to be University), Kolhapur was the chairperson for the session. Dr. Habib M. Pathan talked on 'Recent Trends in Solar Cells', Dr. Jayavant L. Gunjalkar was concluded the session and Dr. D. P. Nade hosted the session. Research scholars presented their research articles. Oral and poster presentation session was conducted by Dr. V. S. Kumbhar and Mr. Y.C. Dhulgand.

The valedictory function was taken place at last. Hon. Dr. Habib M. Pathan Associate Professor, Department of Physics, Savitribai Phule Pune University was the chief guest and Dr. D. G. Kanase, Principal and Member of Management Council Shivaji University, Kolhapur was the chairman for the event. Dr. Vikas Awale briefly reviewed two days conference. Selected seven research articles were orally presented and twenty-five posters were presented by the research scholar. Dr. D. P. Nade proposed vote of thanks. Thus, two days National Conference is taken place.



(Dr. V. B. Awale)

Convener



(Dr. D. G. Kanase)

Organizing Chairman

**PRINCIPAL**  
Dr. Patangrao Kadam Mahavidyalaya  
Sangli.-416416. (Sangliwadi.)