



**Bharati Vidyapeeth's**  
**Dr. Patangrao Kadam Mahavidyalaya, Sangli**

**Department Of Microbiology**

**NEP Syllabus of General Microbiology Workshop**

**Report**

11<sup>th</sup> -12<sup>th</sup> September 2023

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**A Workshop on 'New changed M. Sc. I (Semester I) NEP syllabus of General Microbiology Microbial Systematics, Research Methodology & Practical Course II' on 11<sup>th</sup> -12<sup>th</sup> September 2023**

**Organized by:** Bharati Vidyapeeth's  
Dr. Patangrao Kadam Mahavidyalaya, Sangli

**Sponsored by:** Shivaji University Kolhapur

**Organizing chairman:** Hon.Dr. D. G. Kanase (Principal, Ex. M.C. Member, SUK.)

**Chief Guest:** Hon. Dr. Girish Pathade. (Professor, Head & Dean, Krishna Institute of Allied Sciences, Karad)

**Speakers: Session I:** Dr. Kamlesh Jangid (Scientist E, Agharkar Research Institute, Pune)

**Session II:** Dr. Prafulla Shede (Assistant Professor in Microbiology, Abasaheb Garware College, Pune)

**Session III & IV:** Dr. Ashish Polkade (Bharat Eco Solutions and Technologies, Pune)

**Convener:** -Ms. B. K. Bhavikatti.

**Secretary:** - Dr. B. B. Ballal.

**Treasurer:** - Dr. M. J. Dhanavade.

**Valedictory function:** Dr. Dhanraj Nakade (I/C Chairman, BOS in Microbiology, SUK)

A two days' Workshop on Revised NEP Syllabus on Microbial Systematics, Research Methodology and Practical Course II was held on 11<sup>th</sup> and 12<sup>th</sup> September 2023. 64 Students & 17 Faculty members were benefitted by this workshop.

**Day 1: Monday, 11<sup>th</sup> September 2023.**

**Session I** Inauguration of this workshop was held on Monday, 11<sup>th</sup> September 2023 at 10.00am in the presence of Hon. Dr. Girish Pathade, Dr. Kamlesh Jangid, Dr. Ashish Polkade, Dr. Prafulla Shede, and Dr. Mahesh Chavdar. Foreword of Inauguration was done by Ms. Bharati Bhavikatti. Workshop was inaugurated at the auspicious hands of Dignitaries on the dais by lightning the lamp and tributing Late Dr. Patangrao Kadam by offering floral tribute.

Following addressed by Dr. Girish Pathade. Sir spoke about future aspect of research and different opportunities in research fields, Applications of AI in research and importance of changed syllabus for survival in research area. Prin. Dr. D. G. Kanase was presiding over this inauguration welcomed all the dignitaries and explained the opening of new scopes in microbiology with NEP 2020 and pointed out the need of this workshop. Inauguration session was ended with vote of thanks by Dr. Maruti Dhanavade. Immediately after Inauguration, session I was initiated by the lecture of Dr. Kamlesh Jangid on microbial systematic covering different nomenclature system as per ICNP and SeqCode, concept of LPSN, Use of EzTaxon etc.

**Session II** was conducted by Dr. Prafulla Shede. He explained different classification systems, Polyphasic Approaches, History and Approach of development of the Bergey's Manual, its current status, molecular clocks, phylogeny etc.

**Session III** was started by the lecture of Dr. Ashish Polkade on Omics in microbial systematic, different methods of microbial culture collections and identification of unculturable bacteria, strategies for exploring unculturable bacteria etc.

Day 1 of workshop was concluded by giving vote of thanks by Ms. Sukanya Kamble.

**Day 2: Tuesday, 12<sup>th</sup> September 2023.**

**Session I** was initiated before time at 9.00am with the lecture of Dr. Prafulla Shede on Strategies, Planning and process of Research, preparing research design, Research data collection and analysis, Hypothesis testing etc.

**Session II** charge was taken by Dr Kamlesh Jangid where he focused on Ethics in Biological Research, Scientific conducts and misconducts etc.

**Session III** begun with Essentials of Scientific Writing, research communication, characteristics of a good scientific paper, planning of research, Handling of negative results, research papers publishing ethics and ending note with Poster preparation and Fraudulent research. It was conducted by Dr. Ashish Polkade. Session III was ended by short lunch break.

**Session IV** was started with hands on practicals on Use of basic software's for bacterial systematic by Dr. Kamlesh Jangid, where he provided detailed information on 16s RNA fragment analysis using Sequence scanner software, contig generation using ChromasPro, Fragment analysis and assembly using SeqMan software.

### **Valedictory function**

Valedictory function for workshop was commenced at 5.00pm in the presence of Chief guest Dr. Dhanraj Nakade, Chairman Dr. Dhanaji Kanase and Invited speakers. Dr. Dhanraj Nakade Sir virtually addressed the students and delegates through a video message, in his video message he explained the importance of Research and how Microbial Systematics is important to the students regarding their future research, later he thanked Dr. D.G. Kanase Sir and Mrs. B. K. Bhavikatti for organizing this knowledge event. Among the present attendees Dr. Avinash Raut & Dr. Aishwarya Kurne expressed their views regarding the workshop they appreciated the organizers for conducting these much-needed workshop and they both expressed the difficulties faces in these subjects and they praised the speakers for conducting outstanding sessions. Followed by this Dr. B. B. Ballal presented the review of the workshop. Finally, the presidential address was given by Dr. D. G. Kanase Sir. To conclude the workshop Ms. S.A. Bhedase expressed the vote of thanks and with the permission of dignitaries the program was ended.



Hon. Prin. Dr. D. G. Kanase Sir addressing and welcoming all the speakers and participants.



Hon. Chief Guest Dr. Girish Pathade sir addressing the students.



Session conducted by Dr. Kamlesh Jangid.



Session conducted by Dr. Prafullah Shede.

*Bhavikatti*

(Ms. B. K. Bhavikatti)



*D. G. Kanase*

(Dr. D. G. Kanase)

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