

**3.3.2 Details of Workshops/Seminars conducted on Intellectual Property Rights (IPR), Research Methodology, Entrepreneurship and Skill Development during the year**

Name of the Workshop/ Seminar	Number of Participants	Date (From - To)
"DST-SERB Sponsered Two Day Workshop "Network Pharmacology and Molecular Dynamic Simulation: New Arsenal in Drug Discovery Programme""	30	16 <sup>th</sup> and 17 <sup>th</sup> March 2024
DST- SERB Sponsored; One-day Workshop - "Cold High-Pressure Homogenizer – A Versatile Nanoparticulate Production Technique for Thermosensitive Drug Molecules”	50	26 <sup>th</sup> March 2024
One day Hands on workshop entitled, "Advanced Experimental Techniques and Data Acquisition in Pharmacological Research" organized in association with AD Instruments South Asia (India),Pvt. Ltd. By Department of Pharmacology, RCPIPER	83	28 <sup>th</sup> June 2023
National Conference "Pharmaceutical Analysis, Drug Discovery and Development"	230	21 <sup>st</sup> & 22 <sup>nd</sup> March 2024




## ACTIVITY REPORT

Submitted to


**The Principal,**

**R. C. Patel Institute of Pharmaceutical Education & Research, Shirpur**

Name of activity	: DST-SERB Sponsered Two Day Workshop “Network Pharmacology and Molecular Dynamic Simulation: New Arsenals in Drug Discovery Programme”		
Organizers	: RCPIPER, Shirpur		
Venue	: RCPIPER, Shirpur	No. of participants:	UG/ PG Student, PhD Research scholar, Industry person 30
Year	: 16 <sup>th</sup> and 17 <sup>th</sup> March 2024	Time:	9: 00 AM to 5:00 PM
Objective/s	: Provide participants with a comprehensive understanding of network pharmacology and its role in drug discovery, Introduce the basics of molecular dynamics simulations as applied to drug discovery, focusing on their utility in simulating protein-ligand interactions, Provide participants with hands-on sessions for using software tools related to network pharmacology and MD simulation.		
In charge/s	: Dr. Harun M. Patel (Convenor), Dr. A. A. Shirkhedkar & Dr. C. R. Patil (Co-convenor)		
Brief Report on activity	: The two-day workshop aimed to explore the intersection of network pharmacology and molecular dynamics (MD) simulations as innovative approaches in drug discovery. It provided a platform for researchers, students, and professionals to understand how computational and systems biology methods can be used to discover, design, and optimize novel therapeutic agents.		
Photograph/s			
Outcome	: Participants will gain a deeper understanding of the theoretical and practical aspects of network pharmacology and molecular dynamics simulations.		

  
**Vice-Principal**




  
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## ACTIVITY REPORT

Submitted to

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Name of activity	DST- SERB Sponsored; One-day Workshop - “Cold High-Pressure Homogenizer – A Versatile Nanoparticulate Production Technique for Thermosensitive Drug Molecules”		
Organizers	RCPIPER, Shirpur		
Venue	RCPIPER, Shirpur	No. of participants:	UG/ PG Student, PhD Research scholar, Industry person
			60
Year	26 <sup>th</sup> March 2022	Time:	8.00 am to 6.00 pm
Objective/s	To educate participants about the principles and applications of cold high-pressure homogenization, To explore the potential of this technique in producing stable nanoparticles for thermosensitive drug molecules.		
In charge/s	Dr. K. K. Moravkar (Convener) & Dr. S. S. Chalikwar (Co-convener)		
Brief Report on activity	The workshop aimed to introduce participants to advanced techniques in drug formulation, focusing specifically on the use of cold high-pressure homogenization for producing nanoparticles that are suitable for thermosensitive drugs. The participants left with a deeper understanding of this technology and its significance in enhancing the efficiency of drug delivery systems, promising a bright future for pharmaceutical advancements.		
Photograph/s			
Outcome	Participants gained hands-on knowledge about the cold high pressure homogenization technique, which could be a game-changer for thermosensitive drug formulations. The workshop facilitated networking between academia and industry, fostering future collaborations in the field of drug formulation.		



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## ACTIVITY REPORT

Submitted to

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Name of activity	: One day Hands on workshop entitled, "Advanced Experimental Techniques and Data Acquisition in Pharmacological Research" organized in association with AD Instruments South Asia (India),Pvt. Ltd. By Department of Pharmacology and Pharmacy Practice, RCPIPER, Shirpur		
Organizers	: RCPIPER, Shirpur		
Venue	: RCPIPER, Shirpur	No. of participants:	UG Student
			83
Year	: 28 <sup>th</sup> June 2023	Time:	10: 00 AM to 5:00 PM
Objective/s	: The primary objective of the workshop was to provide participants with hands-on experience and in-depth knowledge about advanced experimental techniques and data acquisition methods used in pharmacological research.		
In charge/s	: Dr. C. R. Patil		
Brief Report on activity	: Experts from AD Instruments demonstrated cutting-edge tools and techniques for in-vitro and in-vivo pharmacological research. Topics covered included electrophysiology, real-time monitoring, and advanced measurement tools used in the research process. The hands-on session provided participants the opportunity to operate various devices under expert supervision. The session concluded with an interactive Q&A, where participants clarified their doubts and shared their experiences with the experts, ensuring a deeper understanding of the techniques covered.		
Photograph/s	: 		
Outcome	: Participants gained valuable practical experience in advanced experimental techniques and learned how to use modern data acquisition systems for pharmacological research. The workshop facilitated an exchange of ideas and knowledge between researchers, educators, and professionals in the field of pharmacology.		



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## ACTIVITY REPORT

Submitted to

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**R. C. Patel Institute of Pharmaceutical Education & Research, Shirpur**

Name of activity	: KBCNMU, Jalgaon sponsored National Conference "Pharmaceutical Analysis, Drug Discovery and Development" Organised by RCPIPER, Shirpur		
Organizers	: RCPIPER, Shirpur		
Venue	: RCPIPER, Shirpur	No. of participants:	UG/ PG Student, PhD Research scholar, Industry person
			230
Year	: 21 <sup>st</sup> & 22 <sup>nd</sup> March 2024	Time:	10: 00 AM to 5:00 PM
Objective/s	: To provide knowledge about cutting-edge developments in pharma analysis, drug discovery, and development, to provide participants about the diverse instrument techniques utilized in the analysis of drugs and pharmaceuticals.		
In charge/s	: Dr. A. A. Shirkhedkar & Mr. Amod S. Patil		
Brief Report on activity	: The session highlighted the significance of pharmaceutical analysis in the modern drug discovery and development process. Leading researchers shared insights into the process of drug discovery, from target identification and validation to preclinical and clinical development. The conference provided ample networking opportunities for participants to connect with professionals, researchers, and industry experts, fostering collaboration and knowledge exchange.		
Photograph/s	: 		
Outcome	: The conference successfully brought together professionals from academia, industry, and regulatory bodies to exchange knowledge on critical issues in pharmaceutical research. It also offered a platform for budding researchers to showcase their work and interact with experts in the field.		



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