



One Week National Workshop on
Research Methodology and Current Research Trends
 27th –31th March, 2023, Organized by
Directorate of Research and Department of Biotechnology

Inauguration Schedule of RMCRT-2023

Time: 10 am Onwards

Date: 27 March 2023

1.	Welcome of Guest on Dias	10:00 AM
2.	Lamp Lightening and Saraswati Vandana	10:02 AM
3	Floral Welcome of Guest	10:05 AM
4	Welcome Address by Prof. G. P. Richhariya, Dean, FLST	10:10 AM
5	Address by -Program Convener, Prof. Shivesh Pratap Singh, Secretary (NASI), Bhopal Chapter	10:13 AM
6	About R & D in AKSU- Dr. S. S. Tomar, Director of Research, AKSU	10:16 AM
7	About University -Dr. Harshwardhan, Pro Vice Chancellor (Development), AKSU	10:19 AM
8	Address by Special Guest Prof. B. A. Chopade, Advisor to Chancellor, AKSU	10:24 AM
9	Address by Special Guest (Virtual) Dr. Binod Parameshwaran, Principal Scientist, CSIR, NIIIST, Thiruvananthapuram.	10:29 AM
10	Address by -Dr. R.S. Tripathi, Vice Chancellor (officiating), AKSU	10:36 AM
11	Address by Program Chair (Virtual) - Prof. B. N. Johari, Professor Emeritus, BU Bhopal	10:41 AM
12	Address by Chief Guest Prof G. S. Randhawa, IIT Roorkee	10:48 AM
13	Presidential Address by- Sh. Anant Kumar Soni Pro Chancellor AKS University	10:53 AM
14	Vote of Thanks by Prof. R. N Tripathi, OSD AKSU	10:58 AM
15	National Anthem	11:00 AM

.	Key Note Address by - Prof G. S. Randhawa, IIT Roorkee	11:05 AM
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Workshop Schedule

Day1	12:00-13:20	Field Research- Concept and history of fieldwork; Stages of fieldwork – selecting a research setting, gaining access, presenting oneself, becoming invisible, gathering information; Field notes – types, coding and analysis; Action research: Meaning and application; Observation and Case Study- Concept of observation, its advantages and disadvantages; Types of observation; field observation – participant and non-participant observation; collection of genealogies; structured and unstructured observation; Concepts of case, case study, case study method, case approach	Dr P. K. Gupta Ramanujan Fellow, SERB, Govt. of India, CRDT, IIT Delhi
	13:20-14:00	Lunch Break	
	14:00-14:35	Technical Meeting and discussion Agenda: To discuss the possibilities for research collaboration, joint proposals, consultation projects, student mobility, etc	IIT D, Industry Persons and AKSU
	14:40-15:35	Introduction to research – The role of research, various types of research, research process; Research Design -Selecting topics for research; factors affecting the problem selection; Pure versus applied research; Literature review: International, National; Units of analysis; Concept, variable(s), hypothesis(es), paradigm; Stages of research; Types of research design with suitable examples	Dr Vivek Dalvi Scientist Centre for Rural Development, IIT Delhi
	15:35-16:25	Ethics in Scientific Research- Ethics and the researcher, ethics and the scientific community, ethics and the sponsors of research; ethical issues involving human subjects – harm, deception, informed consent, special populations and new inequalities; Privacy, anonymity, and confidentiality, making ethical decisions;	Dr Vivek K Nair Scientist School of Interdisciplinary Research, IIT Delhi
	16:25-14:40	Assessments and Feedback of the sessions	



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16:55-17:10 Facilitation of Session speaker/s followed by refreshment

March 28, 2023

Day 2

Time (Hrs.)	Subject	Speaker
09:00-09:45	On spot registration and TEA	
09:50-10:50	Academic Writing -Meaning and types of academic writing; Challenges in Academic Writing; Papers for Journals and Presentation of Reports; Ethics -Meaning and Seriousness of Plagiarism, Different Types of Plagiarism, How to Prevent Plagiarism, Importance of adhering to rules for Referencing/Citation (Mendley/Zotero), Structure of academic writing -Structure of Paper, Report and Book; Differences in structure of each kind of writing; Elements of writing; Differences between papers, reports and books.	Dr. Tanushree Saxena Academic Writing Expert BioTecNika, Noida
10:50-11:50	Publication Process - Journals– submission, review, revision, Books- manuscript presentation, review, editing, Dealing with Rejection, Importance of Revision (Review Reports, Response sheets), Papers/Books: Criteria for selection, Process: Acceptance to Publication (revision, editing, proofing, printing), Qualitative : Data presentation, analyses and discussion; Analysis of Data and results, discussion and conclusion.	Dr Abhishek S. Dhoble Professor IIT (BHU) Varanasi
11:50-12:10	Refreshment	
12:10-13:10	Research Proposal - Writing a research proposal (difference from papers/books/reports), Research Proposal : Main elements, Identifying and Presentation of Issue(s)/Topic/Problem(s) to be studied, Qualitative : Presenting a hypothesis.	Dr Dipesh S Patle (Professor) Department of Chemical Engineering, MNNIT Allahabad
13:10-14:40	Lunch Break	
14:40-16:25	Hands on : Introduction to SPSS Statistics, and their application viz. Multivariate (PCA, Factor and Cluster) analysis and Replace Missing Values, Reporting – Tables, Summary Statistics, Frequency, Graphs & Charts, Maps, T-test, ANOVA, Chi Squared, Scatter Pot, Correlation, Linear Regression	Mr. Gaurav Kany Statistician Mumbai University Mumbai
16:25-16:50	Assessments and Feedback of the sessions	



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Day-3

Time (Hrs.)	Subject	Speaker
09:00-09:25	On spot registration and High Tea	
09:30-10:30	Key note address by special guest of the day	Prof S N Upadhaya Department of Chemical Engineering IIT (BHU) Varanasi
10:30-13:30	Quantitative Research: Interpretation of data view and variable view and variable types, Data Import from other formats, data filtering, Sorting Cases, merging of two datasets, Computing a new variable, Qualitative: Data presentation, analyses and discussion; Analysis of Data and results, discussion and conclusions. Types of data, Descriptive statistics, Correlation & Simple linear regression, Multiple regression, Logistic regression, Large & sample tests, Factor analysis. Hands on Training: Multivariate (PCA, Factor and Cluster) analysis; Data Handling through Excel, R and SPSS	Dr. Pradeep Kumar Mishra (Professor) JNKVV Jabalpur
13:30-14:50	Lunch Break	
14:50-16:00	Indian and International Patent Law (Basic Concepts), Patent Drafting and filling procedure at Indian patent office, IPR, Copyright Awareness	Mr. Khushal Juneja General Manager Ennoble IP and Shereal, Noida (UP) India
16:00-16:40	Assessments and Feedback of the sessions	
16:40-16:55	Facilitation of Session speaker/s	



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15:50-
16:30 Refreshment

March 30, 2023

Day 4

Time (Hrs.)	Subject	Speaker
10:00-11:00	Research Methodology: Importance and Strategies towards Quality Improvements: Relevance of Research Methodology, Project Planning, Monitoring & Management and Capacity Building, Leadership, Communication	Prof V. P. Sharma Chief Scientist & Prof AcSIR – Indian Institute of Toxicology Research Lucknow
11:05:12:00	Lecture on “Role of V Lab in Teaching and Research”	Prof AK Srivastava Distinguish Professor NSIT New Delhi
12:05:13:00	Development of biogas standards: an initiative to waste to resource and employment	Dr. Sachin Kumar (Dy Director SSSNIBE) a institute of MNRE India
13:00:14:40 Lunch Break		
14:40-15:30	Life cycle assessment (LCA) and Hands on: LCA using a case study	Dr. Kassian T.T. AMESHO (Scientist) Research Institute for Agriculture, Food and Environment, France
15:30-15:50	Feedback of the workshop	

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Day 5	Time (Hrs.)	Subject	Speaker
	10:00-10:45	High tea	
	10:55-12:00	Recent advancement in wastewater treatment and solid waste management	Dr Vishal Mishra Professor IIT (BHU) Varanasi
	12:05-13:10	Popular keynote address by guest of the day	Prof O N Tiwari , Scientist-CUBGA- IARI New Delhi, India
	13:20-14:30	Lunch Break	
	13:10-13:40	Closing keynote address	Prof B. A. Chopade AKS University MP, India
	13:40-13:50	Facilitation of speakers	
	13:50-14:50	Formal valedictory ceremony	
	14:50-15:20	Certificate distribution to participants and feed back	

Organizing committee

RMCRT-2023