

Preface of RAMSACT -2022

Faculty of Science, Manipal University Jaipur has organized International Conference on Recent Advancements in Materials Science and Computational Techniques (RAMSACT 2022) during May 30-31, 2022. The goal of this two days online event was to bring together eminent academics, scientists, researchers, and scholars to exchange and share their experiences and research findings on all aspects of Multifunctional Materials and Computational Techniques. The chief guest of the inaugural event was Prof. Amitava Patra, Director, Institute of Nano Science and Technology, Mohali. Besides, numerous experts from across the globe delivered their talks. Total of five tracks was chosen covering the major areas of materials science and computational techniques, aligned to which oral and poster presentations were taken place during the event. This flagship event of the faculty of science of Manipal University Jaipur was a premier interdisciplinary platform for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, and concerns, as well as practical challenges, encountered, and solutions adopted in the fields aligned to the conference theme.

We, Editors of the conference, are thankful to the leadership team, Manipal University Jaipur for their support for the conduction of the event. We are also thankful to all committee members for their fullhearted support and dedication during the conference.

We are very much thankful to Nanoworld journal of providing support to publish proceedings of the conference in their journal.

RAMSACT 2022 received 99 research papers from 60 different Institutions and all the papers received were presented in the conference. Out of these only 31 were selected for publication in Nanoworld journal after a rigorous peer review. We thank all the guest editors and reviewers who extended their support in reviewing these articles.

Guest Editors:

1. Prof Lalita Ledwani-Dean, Faculty of Science & Professor, Department of Chemistry, Manipal University Jaipur
2. Prof Abhijeet Singh- Professor, Department of Biosciences, Manipal University Jaipur

3. Prof Kalpna Sharma- Professor, Department of Mathematics & Statistics, Manipal University Jaipur

The following are details of the reviewers:

Reviewers:

Sr. No.	Name of the Reviewer	Affiliation
1	Dr Kalpna Sharma	Manipal University Jaipur
2	Dr Neha Singh	Manipal University Jaipur
3	Dr. Ved Prakash Verma	Associate Professor, Department of Chemistry, Banasthali Vidyapith
4	Dr. Shaurya Gupta	School of Computer Science, UPES, Dehradun
5	Dr. Amit Hirawat	Manipal University Jaipur
6	Dr. Devendra Jain	Department of Molecular Biology and Biotechnology, Rajasthan College of Agriculture, Maharana Pratap University of Agriculture and Technology, Udaipur
7	Dr.Hemant Kumar Daima	Amity Institute of Biotechnology, Amity University Rajasthan
8	Dr. Priyanka Chandra	ICAR-Central Soil Salinity Research Institute,
9	Dr. Alok Bhargava	Manipal University Jaipur
10	Dr Abhinav Saurabh	Senior Research Officer, AIIMS, New Delhi
11	Dr Satyapal Singh Rathore	Cluster University Jammu, Jammu & Kashmir
12	Dr. Rashi Nathawat	Manipal University Jaipur, Jaipur

13	Dr. Anupam Kumar Sharma	Manipal University Jaipur, Jaipur
14	Dr. Nilanjan Halder	Manipal University Jaipur, Jaipur
15	Dr. Balram Tripathi	Subodh PG College, Jaipur
16	Dr. Shivani Dhall	DAV PG College, Jalandhar, Punjab
17	Dr. Satyapal Singh Rathore	Cluster University Jammu, Jammu & Kashmir
18	Dr. Uvais VN	Manipal University Jaipur, Jaipur
19	Dr Nupur Srivastava	IIHMR, Jaipur
20	Dr. Rakesh Sharma	Manipal University Jaipur
21	Dr. Abhijeet Singh	Manipal University Jaipur
22	Dr. Madan Mohan Sharma	Manipal University Jaipur
23	Dr. Rohit Jain	Manipal University Jaipur
24	Dr. Sandeep Kumar Srivastava	Manipal University Jaipur
25	Dr. Mousumi Debnath	Manipal University Jaipur
26	Dr. Ved Prakash Verma	Department of Chemistry Banasthali Vidyapith Newai-Rajasthan
27	Dr. Sriparna Ray	Department of Chemistry, Manipal University Jaipur
28	Dr. Sarika Singh	Department of Chemistry, Manipal University Jaipur
29	Dr. Suranjan De	Department of Chemistry, Manipal University Jaipur

30	Dr Amrita Biswas	Department of Chemistry, Manipal University Jaipur
31	Dr. Michel Prabhu Inbaraj	Department of Chemistry, Manipal University Jaipur
32	Dr. Naveen Kumar Singh	Department of Chemistry, Manipal University Jaipur
33	Dr Shelley Oberoi	KC College of Engineering & Management Studies & Research, Mumbai
34	Dr. Chandrakanta Dash	Department of Chemistry, School of Chemical Sciences and Pharmacy, Central University of Rajasthan
35	Prof. (Dr.) Purnima Nag	School of Engg. & Technology, Jaipur National University
36	Dr. Kamlesh Kumar Tiwari	Sardar Patel Centre for Science & Technology, Vallabh Vidyanagar- 388120, Anand, Gujarat
37	Dr. Saurabh Srivastava	Department of Chemistry, Manipal University Jaipur
38	Dr Aliya Naz	Jindal School of Liberal Arts and Humanities O.P. Jindal Global University, Sonipat
39	Dr Abhiroop Chowdhury	Jindal School of Environment and Sustainability, O.P. Jindal Global University
40	Dr Meenakshi Pilonia	Department of Chemistry, Manipal University Jaipur
41	Dr. Jagriti Gupta	Chemistry Department, Bhabha Atomic Research Centre Mumbai

42	Dr. Poonam Poddar	Poddar International College, Mansarovar , Jaipur
43	Dr. Rajendra Saini	Subodh PG college , Rambagh Circle , Jaipur
44	Dr. Bharti Nathani	Banasthali Vidyapith, Niwai, Tonk