

International SYMPOSIUM

on

FUNCTIONAL MATERIALS: ENERGY AND BIOMEDICAL APPLICATIONS

(ISFM-2018)

April 13-15, 2018

Jointly Organized by



IIT Kanpur



Panjab
University



UIC USA

Venue: Hotel Shivalikview, Sector 17E, Chandigarh
(India)

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Prof. C. N. R. Rao, JNCASR

Prof. Zhong Lin Wang, Editor-in-chief: Nano Energy,
Georgia Institute of Technology, USA

Prof. Manish Chhowalla, Associate Editor: ACS Nano,
Rutgers University, USA

Prof. Deji Akinwande, Editor: IEEE Electron Device Letters,
The University of Texas at Austin, USA

Prof. Ashish Garg, IIT Kanpur

Prof. Vikas Berry, University of Illinois, Chicago, USA

Prof. Kaushik Chatterjee, Associate Editor: RSC Advances,
IISc Bangalore

Dr. R. K. Kotnala, Associate Editor: Journal of Applied
Physics, NPL New Delhi

Dr. Praveen Kumar Vemula, Associate Editor: Bulletin of
Materials Science, ISCRM

Prof. Mahavir Singh, HPU Shimla

Prof. Jayanta Haldar, JNCASR Bangalore

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Prof. B. S. Kaith, NIT Jalandhar

PD Dr. habil. Y. K. Mishra, Academic Editor: PLoS ONE, Kiel

University, Germany

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Prof. Zhiping Xu, Tsinghua University, Beijing, China

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Prof. Soumitra Satapathi, IIT Roorkee

Prof. Susheel Kalia, Indian Military Academy Dehradun

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Dr. Paritosh Mohanty, IIT Roorkee

Prof. Chayan Kanti Nandi, IIT Mandi

Prof. Gopal Kundu, National Centre for Cell Science Pune

Professor A. K. Pal, Jadavpur University

Dr. Goutam Kumar DALAPATI, IMRE-A*Star, Singapore

Dr. Mukesh Kumar Sinha, DMSRDE, DRDO, Kanpur

Dr. Jogendra Nath Behera, NISER Bhubaneswar

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Prof. Rajat Sandhir, Panjab University Chandigarh

CONFERENCE THEME

In the present era, there is an incredible growth of advanced functional materials that can improve the

performance of various advanced technologies. The scientific community is devoting efforts to harness the potential of materials to cure the challenging diseases as well as to solve energy related issues. To keep pace with the development of new materials, this symposium on advanced functional materials is proposed to exchange information on new dimensions in such application areas.

A joint initiative has been taken up by IIT Kanpur; Panjab University; Chandigarh University and University of Illinois, Chicago, USA to organize an International Symposium on Functional Materials (ISFM-2018): Energy and Biomedical Applications. This symposium provides opportunities for the researchers working in the field of Functional Materials for energy and biomedical applications to exchange new ideas and application experiences face to face, to establish research relations and to find international collaborators partners for future teamwork.

The aim of this symposium is to bring together eminent National & International scientists from universities, research institutes, industries on a single platform to share new knowledge and show case their research in the emerging area of Functional Materials for energy and biomedical applications. ISFM-2018 is a debut event in this international symposium series, which is expected to be a milestone event considering the number of delegates from India and Abroad. The plenary and invited speakers will include eminent professors, scientists, science advisers and renowned researchers from various countries. We hope that the conference result will constitute a significant contribution to the knowledge in these up to date scientific field. The scope of this international forum under the name ISFM-2018 is aimed at fostering research in synthesis, characterization and application of functional materials particularly in energy and biomedical sectors.

On behalf of the organizing committee, we would like to invite you to participate in this conference. We look

forward to welcoming you at Chandigarh.

TOPICS TO BE COVERED

ISFM-2018 invites original and novel contributions from Researchers, Academicians, Scientists, Technologists, Industrialists and Students on one or more of the following topics for presentation (oral or poster) during the Conference:

- ✦ Advanced Functional Materials
- ✦ Development of New Materials for Energy Applications
- ✦ Electrochemical Energy Storage Systems
- ✦ Energy Harvesting
- ✦ 2-D Materials
- ✦ Theoretical Tools for Designing Microscopic to Macroscopic Properties of Functional Materials
- ✦ Biomaterials
- ✦ Smart and Intelligent Materials
- ✦ Polymeric Materials
- ✦ Drug Design and Delivery
- ✦ Advanced Materials for Biomedical Applications
- ✦ Biomaterials for Tissue Engineering Applications
- ✦ Functional Materials for Bioimaging and Theragnostic Applications
- ✦ Protein and Peptide-Based Materials
- ✦ Hydrogels for Biomedical Applications

The sessions will include invited talks, contributory oral and poster presentations. Participation of research scholars and young researchers from academic institutions and universities is strongly encouraged.

INSTRUCTIONS TO CONTRIBUTORS

Abstracts for oral and poster presentation should be submitted online on our website, <http://isfm-2018.co.in/abstract>, by **February 28, 2018**. The abstract should be 150-200 words and should be submitted without any graphic image. All the fields should be

completed before submission.

At least one of the authors should be registered for the Conference. A registered delegate is permitted to present one paper only. The paper(s) received without the registration fee will not be included in the Conference scientific program. 06 Best poster awards will be given by MSDE (RSC) Journal, which include certificates and a year's subscription to the journal.

Selected papers, will be included in the special issue of VACCUM (Elsevier Journal, I.F. = 1.53); Materials Today: Proceedings and Molecular Systems Design & Engineering (Royal Society of Chemistry) after Peer-Review process.

This special issue will be a collection of the papers that will be presented at International Symposium on Functional Materials (ISFM-2018): Energy and Biomedical Applications which is going to be held at Chandigarh (India) during 13-15 April 2018. The organizers will select the high-quality papers from ISFM-2018 and invite the authors to submit a substantially extended version of their papers for possible consideration of the special issues.

ABOUT CHANDIGARH

Chandigarh is the first planned and modern city of India, designed by the legendary French Architect, Le Corbusier. It serves as the joint capital of the Punjab and Haryana states, besides being a Union Territory and is also known as the "City Beautiful". Chandigarh is one of the cleanest cities and a tourism paradise with Sukhna Lake, Rock garden, Rose garden and architectural marvel Capitol Complex as its major attraction. Chandigarh is situated in the foothills of the Shivalik range with Nature at its best around. Weather is quite pleasant during April. For details, please visit <http://www.citcochandigarh.com>

ABOUT HOST INSTITUTES

IIT Kanpur: IIT Kanpur is one of the premier institutions

established by the Government of India. The aim of the Institute is to provide meaningful education, to conduct original research of the highest standard and to provide leadership in technological innovation for the industrial growth of the country. With the path-breaking innovations in both its curriculum and research, the Institute is rapidly gaining a legendary reputation. In a very short span, the Institute has attained recognition as a major center of learning in Engineering, Science and several inter-disciplinary areas.

Panjab University: One of the oldest Universities in India, the Panjab University (PU) initiated at Lahore in 1882, has a long tradition of pursuing excellence in teaching and research in science and technology, humanities, social sciences, performing arts and sports. The glorious traditions of the University established during the period of more than 134 years of its long service to the nation since its inception are a source of inspiration. Over the years, the reputation of the Panjab University has grown to emerge as an institution at the pinnacle in innovative teaching, research and community outreach. University campus is spread over an area of 550 acres (2.2 km²) in sectors 14 and 25 of the city of Chandigarh.

University of Illinois, Chicago, USA: The University of Illinois at Chicago or UIC is a state-funded public research-intensive university located in Chicago, Illinois, United States. Its campus is in the Near West Side community area, adjacent to the Chicago Loop. The second campus established under the University of Illinois system, UIC is also the largest university in the Chicago area, having approximately 29,000 students enrolled in 15 colleges. UIC operates the largest medical school in the United States, and serves as the principal educator for Illinois' physicians, dentists, pharmacists, physical therapists, nurses and other healthcare professionals. UIC's medical school has research expenditures exceeding \$412 million and consistently ranks

in the top 50 U.S. institutions for research expenditures.

REGISTRATION FEE

(Registration fee includes kit, tea/snacks and lunch for three days)

For Indian & SAARC Countries			
	Upto February 28, 2018	After March 10, 2018	On the Spot
Research Scholars/Students	3500 INR	4000 INR	4500 INR
Delegates from Academia & Research Institutes	5000 INR	5500 INR	6500 INR
Industry Delegates	8000 INR	9000 INR	10000 INR
Accompanying person	3500 INR	3500 INR	3500 INR
For International Participants			
Research Scholars/Students	450 USD	550 USD	650 USD
Delegates from Academia & Research Institutes	600 USD	700 USD	750 USD
Industry Delegates	800 USD	900 USD	1000 USD
Accompanying person	300 USD	300 USD	300 USD

No financial assistance will be provided to participants.

MODES OF PAYMENT FOR REGISTRATION, SPONSORSHIP AND ADVERTISEMENT

For Indians /Foreigners Delegates:

Online Transfer: Name of Account Holder: ISFM 2018
Name of Bank: Canara Bank
Address: Sector 14, Panjab University Chandigarh
Account No- 2845201000303
SWIFT CODE - CNRBINBBFFC
IFSC CODE - CNRB0002845

SPONSORSHIP

Category	Sponsorship Amount	Privileges
Platinum	INR 5 lakhs and above	15 min Presentation, Exhibition Space, 3 Free Delegates, Logo, Branding & Advertisement in Souvenir
Diamond	INR 4 lakhs	10 min Presentation or Exhibition Space, 2 Free Delegates, Logo & Advertisement in Souvenir
Gold	INR 2 lakhs	10 min Presentation, 1 Free Delegates, Logo & Advertisement in Souvenir
Silver	INR 1 lakh	1 Free Delegates, Logo & Advertisement in Souvenir

For sponsorship opportunity, please contact secretary@isfm-2018.co.in; isfm2018@gmail.com

WEATHER

Temperature at Chandigarh in the month of April is expected to be around 30-35°C

IMPORTANT DATES

Conference Dates: April 13-15, 2018

Last Date for Abstract Submission: February 28, 2018
Notification for Acceptance of Abstracts: March 10, 2018
Last Date of Registration: March 15, 2018
Full Paper Submission Start Date: April 20, 2018
Last Date for Full Paper Submission: 30th June 2018

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