



UGC UPE FAR Programme
Osmania University Hyderabad
International Conference on
MATERIAL SCIENCE FOR
SOCIETAL ADVANCEMENT
MSSA - 2020
20 - 22 – January - 2020
ANNOUNCEMENT

To,

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From :
Convenor, MSSA-2020
Osmania University,
Hyderabad -500007
Email: mssaou2019@gmail.com
Mobile: 91 7337355879
Office: 040-27682470, 040- 27074457

Registration Fee:

Delegates from Industries	India	International
University faculty / National Labs	: Rs. 5000/-	USD \$150
Research Students	: Rs. 2000/-	
	: Rs. 1000/-	

On spot registration (additional) Rs 500/-for all categories

Registration fee is to be paid in the form of Demand Draft drawn in favor of **Convenor, MSSA-2020, Osmania University, Hyderabad**, payable at Hyderabad.

Accommodation:

Accommodation will be provided for the registered delegates on request in University guest house and Hotels on first come first served basis. Participants have to pay the accommodation charges, which vary from Rs. 1500/- to 5000/- per day.

Contact details:

Convenor, MSSA-2020

**Osmania University,
Hyderabad -500007**

Email: mssaou2019@gmail.com

Mobile: 91 7337355879

Office: 040-27682470, 040- 27074457
(10.30AM to 5.00PM Indian standard time)

Important dates

Abstract Submission : 11-11-2019

Abstract Acceptance : 20-11-2019

**Advisory Committee:**

Prof. B. Madhu, Cambridge University, U.K.
 Prof.S.B.Jonnalagadda, University of Durban(South Africa)
 Dr.Deepthi Bitta, University of Pennsylvania
 Prof. Palani Balaya, Natioanal University of Singapore
 Prof. Amiya Bhaumik, Vice Chancellor, Lincoln University College, Malaysia
 Prof. Ramana G. Reddy, University of Alabama, U.S.A.
 Prof. Appa Rao P., Vice Chancellor, HCU
 Prof. Chandrasekhar V., Incharge Director, TIFR, Hyderabad
 Dr. K.Sai Prasad Rao, ARAMCO - Saudi Arabia
 Dr. Chandra Sekhar S., Director, IICT, Hyderabad
 Dr. Hemalatha, Director, NIN
 Dr. James, A.R., DRDO
 Dr. Manorama S.V. IICT, Hyderabad
 Dr. Mishra R., Director, CCMB,
 Dr. Monocha L.M., S.P. University
 Dr. Muniratnam, Director General, C-MET, Dept. of Electronics, Govt. of India
 Dr. Padmanabham, Director, ARCI
 Dr. Partha Saradhi Reddy B., Chairman, Hetero Drugs
 Dr. Reddy A.R., Former VC, Yogi Vemmanna University
 Dr. Reddy M.S.N., CEO, MSN Labs
 Dr. Venkateshwar Rao, USA
 Dr. S.M. Zakeeruddin, IEPFL, Switzerland

Organizing Committee:**Chief Patron:**

Sri. Arvind Kumar IAS, I/C Vice-Chancellor, OU

Patrons:

Prof. Ch. Gopal Reddy, Registrar, OU

Prof. T. Krishna Rao, OSD, OU

Convenor: Prof. Shivaraj, Dean, Faculty of Science,
Co-ordinator UGC UPE, O.U

Chairman: Prof. K. Pratap Reddy, Principal, UCS, OU

Co-convenor: Prof. G. Prasad, Co-ordinator, UGC UPE FAR

Secretaries: Prof. S. S. Singh, Dept. of Biochemistry, OU

Prof. P. Veera Somaiah, Dept. of Chemistry, OU

Prof. A Ravindernath, UCT, OU

Prof. K. Ulaganathan, CPMB, OU

Prof. S. Jithender Kumar Naik, Dept. of Zoology, OU

Members:

Prof.V.Vanitha Das, Dept. of, Zoology, OU

Prof. A Sadananda Chary, Dept. of Physics, OU

Prof. M.V. Ramana Reddy, Dept. of Physics, OU

Prof.B.Manohar, Dept. of Chemistry, OU

Prof. M.Vijjulatha, Dept. of Chemistry, OU

Prof. M.Malini, Dept. of Bio-Medical Engineering, OU

Prof.P.Kamalakar, Dept. of Botany, OU

Dr.B. Bhima Dept. of Microbiology, OU

Dr. Smitha C Pawar, Dept. of Genetics, OU



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About the conference:-

We are delighted to invite researchers in Materials Science for the forthcoming International **Conference on Material Science for Societal Advancement** to be held at Osmania University Hyderabad, Telangana, India during **20-22 January, 2020**.

The conference focuses on different aspects of Material Science including Nano, Bio, Fuel cell and Novel materials. The conference includes Key Note Address, Plenary lectures, Oral and Poster presentations.

This event will be an occasion for participants and delegates to make new acquaintances and strengthening existing collaborations. MSSA 2020 programme, motivates and encourages young scientists and graduate students to enhance their research and career level.

We are looking forward to welcoming you all for what promises to be an outstanding educational and research event.

We hope that, despite an intense programme, you also will be able to get some glimpses of our host city Hyderabad, India. Hyderabad is one of the India's leading scientific and tourist destinations and its diversity supports a vibrant cultural scene, in addition to its economy and infrastructure.

About Osmania University:-

Osmania University is one of the oldest learning centers in India. Ever since its inception in 1918 the university showed remarkable progress and sustained with an integrated development of all disciplines, through multi-faceted range of programs in Arts, Humanities, Sciences, Social Sciences, Law, Education, Pharmacy, Engineering, Technology, Commerce and Business Management disciplines. With sound infrastructure and excellent faculty, the University has carved a niche for itself in the field of academic learning and research. In this journey towards academic and research development, it has now reached the status of "University with Potential for Excellence" (UPE) and RUSA 2.0 based on its accomplishments listed below:

- Accredited by NAAC Thrice with highest Grade
- Accorded DST-PURSE status THRICE based on Scopus database
- Awarded DBT - ISLARE (only state University)



- Maximum number of Departments with SAP/CAS status
- DST-FIST sponsored departments
- DST – National Nano Science Initiative's support
- Osmania University Centre for International Programme (OUCIP)
- Two constituent colleges conferred with "CPE" status by the UGC
- Two Campus Colleges were selected for TEQIP status (MHRD)
- Highest number of UGC-CSIR Fellowships
- 100% placement for students of professional courses
- Awarded CPEPA by UGC and COE by MHRD for selected thrust areas.

About UPE FAR programme :-

The UGC UPE focused area research (FAR) is "Materials Research – Social Relevance". Eight science departments and two engineering departments are actively participating in the FAR Programme.

Materials Research has become one of the major driving forces for change in the modern era, to maintain or create global competitiveness and creating new industrial opportunities. In tune with national initiatives the focused area of research is directed at furthering the research of Nano, Bio and Synthetic Materials. There are three identified socioeconomic inputs where Materials Research is contributing heavily as listed below.



Energy Applications: Synthesizing Materials for third generation fuel cells for energy needs and Nano catalysts for saving the environment from the processes of energy

conversion. The Nano materials provide cleaner, efficient supplies, storage devices and more uses of energy.

Security Applications: Developing Nano Materials for sensor and detection system with increased sensitivity and selectivity to improve the security from life threatening events. Enhance the productivity of agricultural produce through genetic engineering techniques to achieve food security for life saving.

Healthcare Applications: Biomaterials produced through processes that often employ or mimic biological phenomena to improve the healthcare plays an important role in the development of new medical devices, prostheses, tissue repair and replacement technologies, drug delivery systems and diagnostic techniques. Biomaterials for better life styles are revolutionizing many aspects of preventive and therapeutic healthcare.

MSSA 2020 welcomes contributions in the thematic area from

- Materials Science and Engineering professionals, experts, and managers
- Service, supply, and consulting companies
- Universities, research centers, and institutes
- Local, national, and international governmental organizations
- Non-governmental organization
- Major Materials Research and other Professional Societies

Call for Abstracts:-

Researchers are invited to send a scientific contribution in the form of an abstract. The abstract may be sent as e-mail attachment along with a hard copy to the convener. Authors of all the accepted abstracts will be informed by 20-11-2019. The Abstracts must contain complete and unambiguous information on the original research work. It should be typed on A4 size and should not exceed 500 words. (For details refer: www.osmania.ac.in/mssa2020)

Guidelines for abstracts:

Abstract should be typed in Microsoft word with times new roman font size 12. Title of the abstract in capital fonts (font size 14), followed by names of authors in bold. The name of the author presenting the paper should be underlined. Affiliations with email address in italics.