



**RAMAIAH
UNIVERSITY**
OF APPLIED SCIENCES

Cordially Invites You to the Inaugural Function of

**National Conference
on Advances in Materials Research
NCAMR-2017**

Organized by
Department of Chemistry
Faculty of Science and Humanities, RUAS

Shri Hemant Kumar Shukla

Head and Principal Scientist
Centre for Carbon Fiber and Prepregs
CSIR-National Aerospace Laboratories, Bangalore
will deliver Key Note Address

Shri R.G. Revaiah

Scientist 'F', Defence Bioengineering and
Electromedical Laboratory (DEBEL)
DRDO, Bangalore
will release the Compendium

Dr. T. Niranjana Prabhu

Head - Department of Chemistry and
Academic Registrar - FSH, RUAS
will present an Overview of the Conference

Prof. Govind R. Kadambi

Pro-Vice Chancellor (Research), RUAS
will deliver the Inaugural Address

Prof. M.R. Srinivasan

Dean - FSH, RUAS
will Welcome the Gathering

Date : 18 August 2017, Time: 9.30 am
Venue : A-206, Peenya Campus, RUAS, Bangalore - 560 058



Invocation

Welcome Address

Prof. M.R. Srinivasan
Dean - FSH
RUAS

Overview

Dr. T. Niranjana Prabhu
Head - Department of Chemistry
and Academic Registrar - FSH
RUAS

Keynote Address

Shri Hemant Kumar Shukla
Head and Principal Scientist
Centre for Carbon Fiber and Prepregs
CSIR-NAL, Bangalore

Inaugural Address

Professor Govind R Kadambi
Pro-Vice Chancellor (Research)
RUAS

Release of Compendium

Shri R.G. Revaiah
Scientist 'F', DEBEL
DRDO, Bangalore

Vote of Thanks

Dr. Jineesh A.G.
Assistant Professor
Department of Chemistry, RUAS

Date : 18 August 2017, Time: 9.30 am
Venue : A-206, Peenya Campus, RUAS
470-P, IV Phase, Peenya Industrial Area
Bangalore - 560 058

Schedule of NCAMR 2017: Day 1, 18th August 2017

Activity	Time	Seminar Hall 1 (A-206)	Seminar Hall 2 (A-205)	Seminar Hall 3 (A-204)
Registration	9.00-9.30 am			
Inauguration	9.45-10.15 am			
Key Note Address	10.15-11.15 am	Carbon Fiber and its Manufacturing Technology <i>Hemant Kumar Shukla</i>		
Tea Break	11.15-11.45			
Plenary talk	11.45 am-12.45 pm	Soldier preparedness in Harsh Military Environment <i>R.G. Revaiah</i>		
Lunch	12.45-1.30 pm			
		Session: Engineered Materials in Electronics and Sensors	Session: Advanced Materials Associated with Aerospace and Automobile Industry	Session: Materials in other fields- Part 1
Oral Presentations	1.30-1.50 pm	Non-Linear Optical Materials for Photonic Applications <i>K. Balakrishna* and T. Vishwam</i>	The Influence of SiC on Mechanical, Thermal, Fire and Wear Studies of Vinylester/Glass Fibre Composites <i>T. Bharath Kumar, M. R. Haseebuddin, K. R. Vishnu Mahesh and N. Raghavendara</i>	Synthesis and Characterization of Iron Oxide Nanoparticles <i>Shri Krishna Gurlhosur, Shashikumar M.C and Abhishek Kumar Rai</i>
	1.50-2.10 pm	Synthesis, Characterization, Electrical Conductivity and Dielectric Properties of Chemically Synthesized Ag Doped Conductive PANI/graphene/Strontium Tetanate Composite via Interfacial Polymerization <i>Vinay K, Shivakumar K and Revanasiddappa M</i>	Mechanical Characterization of Hybrid Thermoplastic Composites <i>Lingesh B V, B. N. Ravikumar and B. M. Rudresh</i>	Mechanistic and Kinetic Studies Using Novel Adsorbent for the Remediation of Acid Black 52 From Tanneries Effluent <i>Syed Noeman Taqui, Rosiyah Yahya, Aziz Hassan and Akheel Ahmed Syed</i>
	2.10-2.30 pm	Synthesis and Characterization of Barium Ferrite Polypyrrole Conducting Polymer Composites <i>Revanasiddappa M, Ramesh B K and Vishnuvardhan T K</i>	Design, Analysis and Fabrication of Wing Fuselage Integrated Bulkhead Body for IC Engine Powered UAV <i>Sharath Kumar M</i>	A Novel Study of Inhibition of Corrosion by 'O' and 'N' Donors System in 1MHCl <i>Hanumappa H</i>
	2.30-2.50 pm	Synthesis Characterization and EMI Shielding Properties of Polyaniline-Fly Ash Composites <i>Dhwani Jatin Sapani, Arjith C Prabhu, Anson V Miranda and Revanasiddappa M</i>	Design analysis and fabrication of Helicopter Cargo Hatch with Composite Material <i>Gaurav Kumar</i>	Synthesis of Nano Yttria Using Edible Mushroom and its Characterization <i>Satishkumar K B, Vishnuvardhan T K, Rajashekhar B, Shashidhar N, Satish K and Sreekanth B</i>
	2.50-3.10 pm			A Review on Photo Catalytic Degradation of Textile Dyes by

				Composite Nanomaterials <i>Chandrika K. C. and Niranjana Prabhu T.</i>
Tea break	3.10-3.30			
		Session: Biomaterials related to Medicine/Dental/Pharmacy – Part 1	Session: Materials in other fields- Part 2	
Oral Presentations	3.30-3.50 pm	Potentiometric membrane sensor for determination of lamotrigine in pharmaceuticals and urine <i>N. Rajendraprasad, B.V. Rohith, K. Basavaiah</i>	Zirconia Supported Copper Oxide Catalyst for the Selective Synthesis of Quinazolinones Under Mild Conditions <i>L. Parashuram, S. Sreenivasa, S. Akshatha and V. Udayakumar</i>	
	3.50-4.10 pm	Design and Synthesis of Diamide-Coupled Benzophenones as Potential Anticancer Agents <i>Zabiulla, Bushra Begum A, Prashanth T, Prabhakar B.T and Shaikath Ara Khanum</i>	Synthesis, Characterization of Manganese Oxide Catalyst Supported on Zirconia for the synthesis of Schiff Base <i>Manjushree S. G, L. Parashuram S. Akshatha and V. Udayakumar</i>	
	4.10-4.30 pm	Adsorption and Kinetic Studies on the Bioremediation of Acid Blue 113 on Nutraceutical Industrial Fenugreek Seed Spent <i>Mohammed Ali Hussein Dhaif Allah, Usman Taqui Syed and Akheel Ahmed Syed</i>	Photocatalytic Degradation studies of Deltamethrin insecticide using Chitosin-ZnO and Chitosin-TiO ₂ based adsorbent. <i>Veena.V, K.H. Shivaprasad, Sharanagouda. H and Arun Hosamani</i>	
	4.30-4.50 pm	An Improved and Efficient Strategy for the Total Synthesis of a Colistin-Like Peptide <i>R. Suhas, F. Albericio and B. G. de la Torre</i>		
	4.50-5.10 pm	Synthesis and Biological Activity of Novel Schiff Bases <i>Pallavi.K, Girja C.R and Devika Bhai R.</i>		

Schedule of NCAMR 2017: Day 2, 19th August 2017

Activity	Time	Seminar Hall 1 (A-206)	Seminar Hall 2 (A-205)
		Session: Biomaterials related to Medicine/Dental/ Pharmacy – Part 2	Session: Materials in other fields- Part 3
Oral Presentations	9.30-9.50 am	Benzodiazepine Substituted Coumarins as Possible Anti-anxiety Agents <i>Dayanand N Patagar and Raviraj A Kusanur</i>	Review of Material Modeling Techniques and Analysis Tools from the context of Design and Development of a Dynamic Mathematical model to Assess Dye Degradation of a Textile Effluent Chandrika K C, Niranjana Prabhu , Shiv Narayan Nishad, Vishak K C, Srujan G L
	9.50-10.10 am	Synthesis, Spectroscopic Characterization and Antibacterial Activities of Zinc (II), Cd(II) Complexes of Benzimidazole Derivatives <i>Mahesh.R, Ashok.H G and Satyanarayana.S</i>	Preparation of PPSU/MWCNT Composite Membranes for the Effective Removal of Heavy Metals Lead and Cadmium from Aqueous System <i>M Chandra Shekhar Nayak, Arun M Isloor and A.F. Ismail</i>
	10.10-10.30 am	Designing and Fabricating 3D Scaffold for Bone Regeneration in Dentistry <i>Rajanikanth B R, Dr. Kavitha Prasad and Dr. R Ramachandra Rao</i>	Tannic Acid Functionalized Halloysite Nanotube Reinforced PSf loose Nanofiltration Hollow Fiber Membranes for Reactive Dye Removal <i>G.P. Syed Ibrahim and Arun M Isloor</i>
	10.30-10.50 am	Synthesis and Characterization of New Metals Complexes of Biologically Active Cu (ii), Ni (ii), Co (ii) and Zn (ii) <i>Anusuya A.M, Harish nimbalkar and Fazlur rahman</i>	Green Synthesis of Silver Nanoparticles using the Root Extract of Saussurea Lappa and Study of its Antioxidant Activity by DPPH Method <i>Ashwini D, Sheetal R. Batakurki and Jyotsna Kumar</i>
	10.50- 11.10 am	Indirect Solar Dryer for Drying Potato strips- Heat and Mass Transfer Simulation Using Computational Fluid Dynamics <i>Sreelakshmi K Unni and P.P. Tripathy</i>	Kinetic and thermodynamic studies of adsorption of mercury ions on basal plates of Allium Cepa L <i>Rajeshwari Naik, Dr. Sunil Kumar Y.C, Dr Sheetal Batakurki and Dr Jyotsna Kumar</i>
Tea Break	11.10-11.30 am		
		Session: Functional Materials	Session: Materials in other fields- Part 4
Oral Presentations	11.30-11.50 am	Polymer Films in Food Packaging Applications <i>T. Demappa</i>	Biodiesel Preparation from Waste Cooking Oil Using CaO-HAp Heterogenous Catalyst <i>Addina Seddiqi, Jineesh A.G and Niranjanprabhu,T</i>
	11.50 am-12.10 pm	Synthesis and Characterization of LSGM and GDC Based Composite Electrolytes for IT-SOFCs <i>Ramya Hariharan and Prakash Gopalan</i>	Mechanistic Understanding of Aroma Partitioning in Tea <i>Haripriya, Shreya Mukharjee, Seetha Ramaswamy, T. Niranjana Prabhu</i>
	12.10-12.30 pm	Electric Modulus Study on the Oxyfluoro Vanadate Glasses Having Single and Mixed Alkali Ions	Development of green remediation for noxious mercury ion using Basal Plate of Allium Cepa L.

		<i>Gajanan V Honnavar and K P Ramesh</i>	<i>Pooja, Jyotsna Kumar and Sheetal Batakurk</i>
	12.30-12.50 pm	Optical properties of Europium and Erbium doped Tellurite glasses <i>Md. Irfan, Kaushik and Gajanan V Honnavar</i>	BaSO ₄ and Fe ₂ O ₃ Filled Polydimethylsiloxane Rubber Composites for Radiation Resistant Materials <i>Pranjal Kumar, Jineesh A.G, Niranjanprabhu. T</i>
Lunch & Poster session	12.50-2.10 pm	Lunch & Poster session	Lunch & Poster session
Plenary Lecture	2.10- 3.00 pm	Plenary session: New Generation Polymer Membranes: A Solution for Water Crises!? <i>Arun M. Isloor</i>	
Plenary Lecture	3.00-3.50 pm	Plenary session: Influence of Imposed Meso/Nano-Networks on Anisotropic Soft Matter <i>S. Krishna Prasad</i>	
Panel Discussion	3.50-4.30 pm	Topic: Challenges in the technology transfer from laboratory to Industry Members in panel Discussion: Prof. H. K. Narahari, RUAS - Moderator Dr. S. Krishna Prasad, CeNS Dr. S. Srikari, RUAS Dr. Arun Isloor, NITK	
Valedictory Function	4.30-4.45pm		Certificate Distribution
High Tea	4.45-5.00 pm		

List of Posters:

Date: 19-08-2017

Time: 12.50-2.10 pm

Sl. No	Name of authors(s)	Title of the paper
P1	<u>Selva Priya A</u> , Sunaja Devi K R,	Mixed Oxides of Ceria and Samaria on Rice Husk Silica as Green Catalyst for Oxidation Reaction
P2	<u>G.B.Devidas</u> Sujit A.Kadam and T.Sankarappa	Synthesis and characterization of Zinc Oxides Thin Films by Chemical Bath Deposition (CBD) method.
P3	Vamsi Krishna Movva, Aditi S Nagulpelli and Malathi Sathish	Design and Simulation of Conducting Polymer based Optical Gas sensor
P4	Rekha.C, Ravikanth. K, Priya K Dasan	Fabrication And Characterization Of Silk Fibroin Blended With Cellulose Microfiber Scaffolds As Biomaterial
P5	<u>Sushma</u> , VenuGopal V R, Susmita Kamila	Synthesis of ZnO nano adsorbent for the effective removal of toxic metal from waste water
P6	<u>Mohammed Aziuk</u> , Zabiulla Ajmal Shariff and Shaukath Ara Khanum	A Route Towards on Carbon Matrix Composites/ Polymer Matrix Composites: A Review
P7	<u>Ajmal Shariff</u> , Zabiulla Nasrullah ^c , Mohammed Aziuk and Shaukath Ara Khanum	Survey on Semiconductor Composites and Flexible Electronics: A Review
P8	M. N. Nagaraju, M. N. Manjunatha, A.A. Jahagirdar	Antibacterial Activity of Co (II) and Cu (II) complexes with 2-(<i>p</i> -thiomethyl phenyl)benzimidazole
P9	Ms. Jyothy Vijayan	Novel Paramagnetic Mononuclear Oxovanadium(IV) complex and it's activity as oxidation catalyst
P10	Nanda N, Puneeth Kumar, N Shobha and K. P. Rakesh	Design and synthesis of dihydrazones: Molecular docking studies of potential H ⁺ /K ⁺ -ATPase agents
P11	Kotresh Durgad, Nagesa Sastry D and Revanasiddappa M	Solid State Electrical Conductivity Studies of some Schiff Base coordination Metal Complexes
P12	R.M.Melavanki, V T Muttannavar, L R Naik and S S Patil	Effect of Hydrogen bonding and solvent polarity on the fluorescence quenching and dipole moment of 2-methoxypyridin-3-yl-3-boronic acid
P13	Rajashekhar B, Vishnuvardhan T K, <u>Shashidhar</u> , <u>Sakaleshreddy N</u> , Basavaraja C, Murughesh B M and Satishkumar K B	Morphology and electrical behavior of Polyaniline/BaO nanocomposites
P14	Sharanabasappa B. Patil and N. M. Goudgaon	Antimicrobial and Antioxidant Activity of Some Novel Coumarin Analogues
P15	Panchami H.R, Arun M Isloor, Ragavendra Hebbar and A.F. Ismail	Preparation and Characterization of PEI/modified Fe ₂ O ₃ nanocomposite hollow fiber membranes for hazardous dye removal application
P16	<u>M K Shivananda</u> and B Shivarama Holla	Synthesis characterization and anticancer screening studies of some regioselective Arylfuran incorporated Mannich bases