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31st Nano Congres For Future Advancements

August 29-31, 2019
London, UK



SCIENTIFIC PROGRAM

DAY 1
Monday, 29th August

08:30-09:00 **Registrations**

09:00-09:30 **Introduction**

09:30-09:50 COFFEE BREAK

09:50-11:50
Meeting Hall 01

KEYNOTE LECTURES

11:50-13:10

MEETING HALL 01	MEETING HALL 02
Talks On: Nano Science and Technology	**Talks On:** Material Science And Engineering
Nanorobotics and Nanomanipulation	Electron backscatter diffraction in Materials Science
Energy Conversion and Storage	New frontiers in Materials Science by Ionic liquids
Food, Smart Agriculture, and Medicine	Nanotechnology And tissue Engineering
Nanotechnology in Water Purification	Reticular synthesis and the design of new materials in Nanotechnology

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

14:00-16:00

MEETING HALL 01	MEETING HALL 02
Talks On: Nano Materials Synthesis and Characterisation	**Talks On:** Advanced Nanomaterials
Size Dependence of Properties	Present Position Of Nanotechnology And Cosmetic Products
Microscopy and Spectroscopic Methods of Measurement at the Nanoscale	Nanoparticles Synthesis and Applications
Nano Particles	Thin Films Modeling, Scale Effects, Nanostructured Thin Films
Materiomics	AB initio Microdynamic Approaches for Nanomaterials Simulation
Nanomaterials manufacturing technologies	Bio Sources for Materials and Fuels
Applications of Nano materials and Devices	Soft Nanotechnology and Colloids

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)	MEETING HALL 01 (17:00-18:00)
Young Researchers in 31st Nano Congres For Future Advancements	Workshop

DAY 2
Friday, 30th August

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50	MEETING HALL 01	MEETING HALL 02
	Talks On: Nano Medicine	**Talks On: Nano Electronics**
	Drug Delivery	Nanomaterials Electronics
	Regenerative Medicine	Nanofabrication
	Nanomedicine in Theranostics	Molecular Electronics
	Personalized Nanomedicine	Nanoionics
	Cancer Treatment	Nanoelectronic Devices
	Blood Purification	Flexible Electronic circuits

12:50-13:35 LUNCH BREAK

13:35-15:55	MEETING HALL 01	MEETING HALL 02
	Talks On: Nano Robotics	**Talks On: Nanotech for Energy and Environment**
	Nano Biometric	Nanomaterials for Clean and Sustainable Technology
	Molecular Mimics	Nanotechnology for Solar Energy Collection and Conversion
	Ion Channels As Sensors	Energy Storage and Novel Generation
	Lipids As Nano - Bricks And Mortar	Nanotech for Oil and Gas
	Lipids Structure	Fuels Applications
	self-organizing supra molecular structures	Renewable Energy Technologies
	Self-Assembled Monolayers	Green Chemistry and Materials

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Poster Presentations	**Workshop**

DAY 3
Saturday, 31st, August

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50

MEETING HALL 01	MEETING HALL 02
Talks On: Graphene and its Applications	**Talks On: Nanotechnology in Water Treatment**
Graphene Synthesis	Nanomaterials and water filtration
Chemistry and biology studies of graphene	Nanotechnologies for water remediation
Graphene modification and functionalization	Bioactive nanoparticles for water disinfections
Large scale graphene production and characterization	Self-assembled monolayer on mesoporous supports (SAMMS)
Applications of graphene in energy	Nanoscale semiconductor photocatalysts
Applications of graphene in biomedical	Bimetallic iron nanoparticles

12:50-13:35 LUNCH BREAK

13:35-15:55

MEETING HALL 01	MEETING HALL 02
Talks On: Pharmaceutical Nanotechnology	**Talks On: Nano Biotechnology**
Drug Delivery Research	Bioluminescent magnetic nanoparticles
Smart Drug Delivery Technology	Surface modified polystyrene nanoparticles
Novel Drug Delivery Systems	Nano systems
Nano Pharmaceutical Industry and Market	Target specific drug delivery
Challenges and advances in Nano Pharmaceuticals	Disease diagnosis
NanoPharmaceuticals from the bench to Scale up	Nano ink
Future aspects of Nano Pharmaceuticals	

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Young Researchers in Proteomics and Molecular Medicine	Workshop

Awards & Closing Ceremony

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31st Nano Congress for Future Advancements

August 29-31, 2019 London, UK

AGENDA

Title: Design and operation of low energy consumption passive human comfort solutions

Abdeen Mustafa Omer
Energy Research Institute, UK

Prof.Abdeen Mustafa Omer (BSc, MSc, PhD) is an Associate Researcher at Energy Research Institute (ERI). He obtained both his PhD degree in the Built Environment and Master of Philosophy degree in Renewable Energy Technologies from the University of Nottingham. He is qualified Mechanical Engineer with a proven track record within the water industry and renewable energy technologies

Title: Nano-glasses: A New Kind of Non-crystalline Solids with New Applications in Technology and Medicine

Herbert Gleiter
Karlsruhe Institute of Technology, GERMANY

Herbert Gleiter received his Ph.D. in Physics. In 1973, Gleiter became Chair Professor of Materials Science and founded in 1988 today's Leibniz Institute of New Materials at Saarbruecken, Germany. In 1994, he was appointed Member of the Executive Board of the Research Center Karlsruhe, Germany, and 4 years later he became the Founding Director of the Center's Institute of Nanotechnology.

Title : Characterization and Properties of Al88Ce6TM6 Amorphous Alloys

Jianqi Zhang
Inner Mongolia University, China

Prof. Jianqi Zhang has completed his PhD at the age of 36 years from University of Central Florida and continued postdoctoral studies from Massachusetts Institute of Technology. He is the Professor and Director of Foreign Affairs at Inner Mongolia University of Science and Technology, China. He has published about 80 papers in reputed journals/conferences and 4 books.

SPEAKER SLOTS AVAILABLE

Title: Microtubular NEMS and MEMS devices

Prof. Oliver G. Schmidt
Institute for Integrative Nanosciences,
Germany

Prof. Dr. Oliver G. Schmidt is the Director of the Institute for Integrative Nanosciences at the Leibniz IFW Dresden, Germany. His interests bridge across several disciplines, ranging from nanomaterials and nanoelectronics to microfluidics, microrobotics and biomedical applications. He has received several awards: the Otto-Hahn Medal from the Max-Planck-Society in 2000, the Philip-Morris Research Award in 2002, the Carus-Medal from the German Academy of Natural Scientists Leopoldina in 2005, and the International Dresden Barkhausen Award in 2013.

Title: Development of an efficient drug delivery nanosystem to tumor cells

Prof. Henrique
University of Coimbra,
Portugal

Henrique Faneca is principal investigator at Centre for Neuroscience and Cell Biology, and invited assistant professor at University of Coimbra. He received is Ph.D. degree in Biochemistry from Coimbra University in 2005. The main focus of his research are the development of lipid- and polymer-based nanosystems for gene and drug delivery into target cells and the generation of new antitumor strategies, involving different gene therapy approaches either per se or in combination with chemotherapeutic agents

Title: Nanoemulssion of some oils, formulation, charactrization and pesticvidal activety

Abdel-Tawab H. Mossa

Pesticide Chemistry
Department, Egypt

B Dr. Mossa is working as Professor at National Research Centre. His research has included pesticides chemistry, environmental toxicology, green and nanopesticides. Based on this research and fellowship training he has received several awards and honors, such as NRC award of research output 2011,2012,2013,2014. He is serving as an editorial member of several reputed journals. He has over 60 publications and H-index is 12 in Scopus and 17 in google citation.iography

SPEAKER SLOTS AVAILABLE

Title: The efficiency of TiO2 nanoparticles synthesized from Aloe vera leaves extract compared to liposomes as delivery system for Doxorubicin: in vivo study using Erlich solid tumor model

Prof. Doaa Fadeel
Cairo University, Egypt

Dr. Doaa A Abdelfadeel, a lecturer in Medical Applications of Laser Dep., National institute of laser enhanced sciences, Cairo University. B.Sc. degree in pharmaceutical sciences from the faculty of pharmacy, Cairo University, M Sc. and Ph.D. degrees in laser applications in pharmaceutical sciences from National institute of laser enhanced sciences, Cairo University

Title: Chitosan and silver nanoparticles: promising antitoxoplasma agents

Prof. Maha Gaafar
Alexandria University, Egypt

Gaafar M.R. has completed her master and M.D. from Alexandria University. She is a professor of Medical Parasitology in Faculty of Medicine, Alexandria University. She has published more than 20 papers in reputed journals.

Title: Nanotechnology Application to Geo-Environmental Engineering Fields Based on Performance of Nanofifer Made Geosynthetics

Prof. Han Yong
Inha University,
Korea(South)

Prof. Han-Yong Jeon, geosynthetics/technical organic materials researcher and he was the 32nd President of Korean Fiber Society (2015). He has published more than 895 proceedings in domestic and international conferences. He wrote 21 texts including 'GEOSYNTHETICS' and also published 154 papers in domestic & international journals. He has awards of Marquis Who'sWho-Science and Engineering in 2003~2018 by IBC

SPEAKER SLOTS AVAILABLE

Biography

Title: Cancer nanotechnology: Roadmap to clinical translation of gold mediated therapeutics

Dr. Devika Chithrani
University of Victoria, Canada

Dr. Devika Chithrani is the director of naoscince and technology development labotory at University of Victoria. She was awarded the faculty gold medal and the gold medal for physics when she received her bachelor's degree (first class honors). To continue her graduate studeies, she was awarded a pretegeous NSERC Grduate scholarship in Materials science and engineering at University of Toronto, Canada.

Title: Nanocomposites for energy storage and catalysis

Prof.Jae Jin Shim
Yeungnam University, Korea

Jae-Jin Shim received his BS degree from Seoul National University in 1980, MS degree from KAIST in 1982, PhD degree from the University of Texas at Austin in 1990. He has been a professor in Yeungnam University since 1994 and served as School Chairman and Vice-Dean of Engineering. He was the President of the Korean Society of Clean Technology and Vice President of the Korean Society of Engineering Education

Title: Novel Nanocomposite Coat'ngs for Corrosion protection of petroleum Storage tanks

M. A. Deyab
Egyptian Petroleum Research Institute, Egypt

Dr. Mohamed Deyab is a full Professor Researcher at Egyptian Petroleum Research Institute (EPRI). He is also working as Professor Visitor at the University of Salent, Italy. In addition, he was appointed as Member of Petroleum and Mineral Resources Research Council. He is a co-author of 100 scientific papers, 6 books and has participated in 20 scientific conferences.

SPEAKER SLOTS AVAILABLE

Biography

Title: Bioinspired functional materials templates by nature species

Prof. Di Zhang
Shanghai Jiao Tong University, China

Di Zhang has received his PhD from Osaka University, Japan. He is now a Chair Professor of Materials Science and Engineering at Shanghai Jiao Tong University in China (since 1994), the director of State Key Lab of Metal Matrix Composites and the Institute of Composite Materials at SJTU (since 2003), and the Professor of Chang Jiang Scholars Program (since 2001).

Title: The Investigation of Polarization Characteristics of hyperbolic metamaterials

Prof. Tao Wang
Huazhong University of Science and Technology, China

Tao Wang has completed his PhD at the age of 25 years from the key laboratory of laser technology, Huazhong University of Science and Technology, P. R. China. He is the Professor of Huazhong University of Science and Technology. His research interests include Optoelectronic Devices and Integration, Biological Optical Sensing, Information Optics and Photonics Technologies, Nonlinear Optics and Applications, Nanophotonics, Nanostructures and Nanometrology.

Title: Optical Control Switch Gene Interference using Gold Nanorods in Hepatocellular Carcinoma

Dr. Uzma Azeem Awan
National University of Medical Sciences

Dr. Uzma Azeem Awan has completed her PhD in Biotechnology with specialization in Nanobiotechnology from University of Azad Jammu and Kashmir, Pakistan. She is the Assistant professor of National University of Medical Sciences (NUMS). She has 10 publications that have been cited over 55 times, and her publication H-index is 05 and has actively participated in various national and international conferences. She is member of American Society of Chemistry.

SPEAKER SLOTS AVAILABLE

Title: Atomistic Study of Carbon Nanotubes

Prof. S.C.Prdhan
Indian Institute of Technology , Kharagpur

Prof. S.C.Prdhan is Associate Professor of Department of Aerospace Engineering Indian Institute of Technology Kharagpur. His Research Interests include Artificial Intelligence, Neural Network, Fuzzy logic and python coding, Nonlocal elasticity, Composite Material, Finite element method, Fracture Mechanics

Title: Influence of Thermally Induced Poly to Single Crystalline Structural Phase Transition on Photoluminescence and Optical Absorption behavior of Zn0.78Cd0.22S Quantum Dots for Photo electronic applications

M. A. Osman
Assiut University, Egypt

Prof. Dr. Mohamed A. Osman is a professor of materials science and nanotechnology at Faculty of science, Assiut University from nearly 20 years. He has published more than 40 papers in reputed journals and has been serving as reviewer reputed journals in the field of nanomaterials science.

Title: Analytical Response Modelling of CNT-Based Sensors

Sholeh Alaei
Islamic Azad Universit

Sholeh Alaei has completed her PhD in Nanophysics from the Middle East Technical University (METU), Anakra, Turkey in 2014. From 2005 to 2009, she was a Lecturer with the Department of Physics, Azad University of Urmia. Since 2014, she has been as an Assistant Professor in Azad University of Urmia.

SPEAKER SLOTS AVAILABLE

Title: Heat Exchanger Technology and Applications: Ground-Source Heat Pump System for Buildings Heating and Cooling

Abdeen Mustafa Omer
Energy Research Institute, UK

Prof.Abdeen Mustafa Omer (BSc, MSc, PhD) is an Associate Researcher at Energy Research Institute (ERI). He obtained both his PhD degree in the Built Environment and Master of Philosophy degree in Renewable Energy Technologies from the University of Nottingham. He is qualified Mechanical Engineer with a proven track record within the water industry and renewable energy technologies

Title: Investigation of structural and electrochemical studies of nano-composite cathode for LTSOFC

Prof. Ghazanfar Abbas
COMSATS University

Dr. Ghazanfar Abbas has completed his Ph.D. in 2013 in the field of Nanocomposite Materials for Energy Conversion Applications (Solid Oxide Fuel Cells). Currently, he is working as Assistant Professor in the Department of Physics, COMSATS University Islamabad, Lahore Campus, Lahore-54000, Pakistan and involved in teaching graduate undergraduate classes. I have joined Clean Energy Reseach Lab and orking in the field of fuel cell technology with nano-engineering technique.

Title: Anti-listeria potential of metabolites and silver nanoparticles of Bacillus spp. and the synergetic effect of the nanoparticles and antibiotics against some multidrug resistant (MDR) Listeria spp

Bukola Adebayo-Tayo
University of Ibadan

Bukola Christianah Adebayo-Tayo is a lecturer in the Department of Microbiology, University of Ibadan. She has supervised both undergraduate and post graduate students. She has published more than eighty papers in reputable journals and has been serving as reviewer of some reputable journals.

SPEAKER SLOTS AVAILABLE

Title: Biomaterial Functionalized Graphene-Magnetite Nanocomposite: A Novel Approach for Simultaneous Removal of Anionic Dyes and Heavy-Metal Ions

Biomaterial Functionalized Graphene-Magnetite Nanocomposite: A Novel Approach for Simultaneous Removal of Anionic Dyes and Heavy-Metal Ions

Baskaran Ramalingam, Biological Materials Laboratory, India

Baskaran Ramalingam is professor of Biological Materials Laboratory,India. His Research interest include Biomaterial Functionalized, Nanocomposite

Title: Benefits of Nanotechnology in Agriculture Sector

Manal Mohamed Adel Benefits of Nanotechnology in Agriculture Sector

Manal Mohamed Adel is professor of Pests and Plant Protection Dep.- National Research Center - Cairo – EGYPT

Title: Characterization of self-cleaning effectiveness of Electrospun PVA/TiO2 and PVA/ZnO Nanofibers Composites

Abdul Malik Rehan Abbasi Deptt of Textile Engineering

Dr. Rehan has completed his PhD at the age of 34 years from Technical University of Liberec, Czechia. He is the Deputy Dean in Faculty of Engineering at B.U.I.T.E.M.S Pakistan. He has published more than 24 papers in reputed journals and has been serving as an editorial board member of a scientific journal "Journal of Applied and Emerging Sciences".

SPEAKER SLOTS AVAILABLE

Title: Single-step synthesis of high purity crystallized bi and trimetallic nanoclusters Object

Nadeem Abbas
Material School of Shenzhen University,, China

Nadeem Abbas has completed his PhD in Jan., 2018 from University of Chinese Academy of Sciences and joined shenzhen university as a postdoctoral fellow in July 2018. During his PhD his work was focused on synthesis of pure, size and phase controlled magnetic nanoclusters. He has worked on synthesis of magnetic NCs (mainly Sm-Co based) with size less than 25 nm by using a novel UHV technique, cluster beam deposition (CBD). He has 5 paper in SCI journals.

Title: Anion influence of emission properties and DFT calculations of diprotonated and triprotonated terpyridines

Naokazu Yoshikawa
Nara Women's University, Nara 630-8506, Japan

Naokazu Yoshikawa is professor of Science at Nara Women's University. He is related to the Department of Chemistry. His research interest is Nano Materials Synthesis and Characterisation.

Title: Highly coke resistant Ni-based catalyst prepared via a novel magnesiothermic reduction for methane reforming catalysis with CO2

Jing Liu
School of Materials Science and Engineering, 200240, China

Jing LIU is currently a lecturer of Materials Science and Engineering, Shanghai Jiao Tong University. She received her B.S. (Materials Science and Engineering) from Tongji University and her MSC degree (Materials Science) from Loughborough University, UK. Her research interests focus on catalysis, nano ceramics and metal-ceramic interpenetrating composites.

SPEAKER SLOTS AVAILABLE

Title: Synthesis of Mg Promoted Ni-based Nanocomposite Catalyst for Methane Dry Reforming

Peng Zhang
School of Materials Science and Engineering, 200240, China

Prof. Peng Zhang obtained his PhD degree from University of California, Davis and did postdoctoral studies at of California, Santa Barbara. He is a professor of inorganic nano-mateirals for energy and environment. He has published more than 60 papers in reputed journals.

Title: Smart Nano-Systems Based on Polymeric Lipid Vesicles and their Applications in Tumor Diagnosis and Therapy

Prof. Jin Chang
Tianjin University, China

Professor Jin Chang has completed his PhD from Nankai University and Postdoctoral Studiesfrom School of Chemical Engineering, Tianjin University, China. He is the Vice Dean of Health Science Platform, Tianjin University and the Director of Tianjin Engineering Research Center of Micro-Nano Biomaterials and Detection-Treatment Technology.

Title: Nanocomposite membranes for water treatment: Prospects and Challenges

Prof. Mohtada Sadrzadeh
University of Alberta, Canada

Dr. Sadrzadeh researches the fundamental and applied aspects of membrane materials and process development, focusing on their applications in industrial/residential wastewater treatment. He has an h-index of 27 (according to Scopus) with his refereed publications cited more than 1900 times. He is currently directing Advanced Water Research Lab (AWRL) at the University of Alberta .

SPEAKER SLOTS AVAILABLE

Title: Green synthesis, characterization and functionalization of gold and silver nanoparticles using Pleurotus pulmonarius exopolysaccharides for antimicrobial application

Bukola Adebayo-Tayo
University of Ibadan

Bukola Christianah Adebayo-Tayo is a lecturer in the Department of Microbiology, University of Ibadan. She has supervised both undergraduate and post graduate students. She has published more than eighty papers in reputable journals and has been serving as reviewer of some reputable journals

Title: A targeted drug delivery nanosystem to hepatocellular carcinoma

Prof. Henrique
University of Coimbra, Portugal

Henrique Faneca is principal investigator at Centre for Neuroscience and Cell Biology, and invited assistant professor at University of Coimbra. He received is Ph.D. degree in Biochemistry from Coimbra University in 2005. The main focus of his research are the development of lipid- and polymer-based nanosystems for gene and drug delivery into target cells and the generation of new antitumor strategies.

Title: High Functional Materials Containing Carbon Nanoparticles and Hexamethylene diisocyanate for Hydrogel Ophthalmic Lens

Prof. A-Young Sung
Dasgu Catholic University, South Korea

A-Young Sung has conducted academic research at Harvard University and Oxford University as a visiting professor. She is the vice president of Society for Korea Standards Certification and safety. She has published more than 100 papers in reputed journals and has been serving as an editorial board member of Korean Optometry Society.

SPEAKER SLOTS AVAILABLE

Biography

Title: THE STUDY OF LAWS OF RADIATION AND ELASTIC CONSTANTS IN QUANTUM WIRES AND QUANTUM DOT SUPERLATTICES OF NONPARABOLIC BIOMATERIALS

Dr Sudip Chatterjee
Department of Physics
Regent Education and Research Foundation,
Barrack Pore

Worked as Assistant Professor of Nano Technology for both UG and PG section from 20.04.2005 to 31.08.2010 in Sikkim Manipal Institute of Technology, Sikkim. Teaching Quantum Mechanics and Solid State Physics at the Post Graduate M.Sc (PHYSICS).

Title: Plasmonic Nanotube Hyperbolic Metamaterial with Ultra-high Refractive Index Sensitivity

Prof. Tao Wang
Wuhan National Laboratory for Optoelectronics, China

Tao Wang has completed his PhD at the age of 25 years from the key laboratory of laser technology, Huazhong University of Science and Technology, P. R. China. He is the Professor of Huazhong University of Science and Technology. His research interests include Optoelectronic Devices and Integration, Biological Optical Sensing, Information Optics and Photonics Technologies, Nonlinear Optics and Applications.

Title: Efficient gene delivery promoted by PEGylated poly(2-aminoethyl methacrylate hydrochloride)-based nanosystems

Prof. Henrique University of Coimbra, Portugal

Henrique Faneca is principal investigator at Centre for Neuroscience and Cell Biology, and invited assistant professor at University of Coimbra. He received is Ph.D. degree in Biochemistry from Coimbra University in 2005. The main focus of his research are the development of lipid- and polymer-based nanosystems for gene and drug delivery into target cells and the generation of new antitumor strategies.

SPEAKER SLOTS AVAILABLE

Title: Study of phase transformation of Cobalt nanowires at high cobalt ion concentration prepared through template based deposition

Dr. Aiman Mukhtar
Wuhan university of science and technology, Wuhan, China

Aiman Mukhtar did PhD in Condensed Matter Physics (Material Science) with emphasis in Metal Characterizations, from Huazhong Normal University, Wuhan, China. She has started Post doc research in Wuhan University of Science and Technology from Sep 2016. Her reseach work is based on metal nanostructure, Like synthesize and charaterize the transition metal oxide based nanomaterials.

Title: Green synthesis of silver nanoparticle using Oscillantoria sp. extract, its antibacterial potential and cytotoxicity activity

Bukola Adebayo-Tayo
University of Ibadan

Bukola Christianah Adebayo-Tayo is a lecturer in the Department of Microbiology, University of Ibadan. She has supervised both undergraduate and post graduate students. She has published more than eighty papers in reputable journals and has been serving as reviewer of some reputable journals

Title: A 3D Hierarchical Microcapsule Supercapacitor with Ultrahigh Current Density

Prof. Lian Gao
Shanghai Jiao Tong University, China

Prof. Lian Gao Lian Gao (born in 1945) is currently Distinguished Professor of Materials Science and Engineering, Shanghai Jiao Tong University. After receiving his PhD degree in inorganic nonmetallic materials in 1986 from Shanghai Institute of Ceramics, Chinese Academy of Sciences, he continued his research in Imperial College, London as a postdoctoral research associate and then in Max-Planck Institute of Metallurgy, Germany .

SPEAKER SLOTS AVAILABLE

Biography

Title: Enhanced and Self-tuned Motive Force for locomotion of a Nanorobot: Possible solution from nature

Dr. Niti Nipun Sharma
School of Automobiles, Mechanical & Mechatronics, Manipal University Jaipur 303007. India

He is a Professor of Mechanical Engineering and working in the area of nanorobot dynamics for last 20 years now.

Title: Green synthesis of nano-graphene using a novel microbial source

Nandini Bhattacharya
Deakin Nanobiotechnology centre
The Energy and Resources Institute

Nandini Bhattacharya has completed her Master of Science in Biochemistry and has 5 years of post-master's research experience in molecular biology and biochemistry. She is currently pursuing her PhD in nanobiotechnology from the TERI-Deakin Nanobiotechnology centre, The Energy and Resources Institute, Gurgaon, India.

Title: Transverse Flow Carbon Nanotube Membrane (TFCM) - An innovative ultrapermeable membrane design

Ang Yun Mei Elisa
Nanyang Technological University, Singapore

Elisa Ang is a PhD student in the School of Mechanical and Aerospace Engineering at Nanyang Technological University, Singapore. She received her **Master's degree in Applied Mathematics from Delft** University of Technology and Computer Engineering from the University of Erlangen-Nuremberg in 2015. Her current research topic is on the analysis of one- or -two dimensional materials in desalination processes. In this topic of 2D materials membrane design.

SPEAKER SLOTS AVAILABLE

Title: Design and synthesis of nanoparticles with biomedical applications

Vicente Oliver Bronchal
University of Valencia,
Spain

Graduated in Biochemistry and Biomedical Sciences at University of Valencia (Spain). Degree Final Project about the adjustment and use of previously synthetized last-generation nanoparticles for anticancer therapy on melanoma tumoral cells. Recently, finished a Master in Nanoscience and Molecular Nanotechnology at the University of Valencia. Worked during the Master´s Final Project on the synthesis of tripodal polyamine ligands and the study of its interaction with G4 DNA structures

Title: flexible sensor Room temperature LPG detection-Sm 2 O 3 rice-like nanorods decorated on Reduced Graphene Oxide

Prof. K. Venkateswara Rao
Jawaharlal Nehru Technological University
Hyderabad, India.

Prof. K Venkateswara Rao has completed his PhD from Central University of Hyderbad in the area of sysnthesis of nanoamterils& applciaions and PDF from JohnsHopkinsa in cancer nanotechnology.He was Raman Post doctrol research awadee, Best Teacher from Telangan for the acadamic year 2017. He guided 12 Phd and 120 M.tech thesis. As of now he is professor of nanotechnolyg and head CNST, IST, JNTUH.He has published more than 225 papers in reputedjournals and has been serving as an editorial board member. He filed 3 patents till to date

Title: Bioinspired wettability gradient surfaces: from design to functions

Prof. Yongmei Zheng
Beihang University,
Beijing, China

Yongmei Zheng, PhD, is a professor at School of Chemistry, Beihang University. Her work was highlight as scientist on News of Royal Society of Chemistry, ChemistryWorld in 2014. She is a member of Chinese Composite Materials Society (CSCM), American Chemistry Society (ACS), International Society of Bionic Engineering (ISBE), and International Association of Advanced Materials (IAAM). She wins an ISBE outstanding contribution award in 2016 by ISBE and an IAAM Medal in 2016 by IAAM, in Sweden.

SPEAKER SLOTS AVAILABLE

Biography

Title: Characterization and disintegrant potential of phosphorylated Tiger nut (Cyperus esculentus) starch in immediate release ibuprofen tablet formulation

Prof. Chukwuemeka Paul Azubuike
University of Lagos,

Chukwuemeka Paul Azubuike is an academic staff in the Department of Pharmaceutics and Pharmaceutical Technology and presently the Sub-dean of the Faculty of Pharmacy, University of Lagos where he have been involved in Teaching, Research and Community Services. . He is involved in teaching and supervision of undergraduate and postgraduate students in Pharmaceutics and Pharmaceutical Technology.

Title: Shapeable material technologies – self-assemblying 3D mesoscopic electronics.

Dr. Daniil Karnaushenko
Institute for Integrative Nanosciences, Germany

Daniil Karnaushenko obtained his Dr.-Ing degree in 2016 from the TU Chemnitz (Germany) for hiswork on shapeable microelectronics. Since 2016 he continued as a senior staff researcher at the IIN (Leibniz IFW Dresden). He was working as a visiting scientist at UT Dallas, Osaka University and Johannes Kepler Universität Linz. His research interests include flexible active electronics, magnetic sensorics, compact self-assembled 3D architectures with a focus on novel microfabrication processes.

Title: Bilosomes as a novel ocular drug delivery system for acetazolamide: In vitro and in vivo evaluation

Amira Mohamed Mohsen
National Research Centre, Dokki, Cairo, Egypt.

Amira Mohsen received her PhD degree in pharmaceutical sciences from Cairo university in 2012. She has her expertise in pharmaceutics and pharmaceutical technology. Her professional interests focus on drug formulation and drug delivery systems. She is currently working as associate professor in pharmaceutical technology department, National Research Centre, Cairo, Egypt. Moreover, she is a member of several projects and has a lot of scientific activities.

SPEAKER SLOTS AVAILABLE

Title: Preparation of oxygen functional groups controlled-graphene oxide quantum dots through photo-thermal reduction process

Prof. Imjeong Ho-Soon
Department of physics,
Pusan National
University, Korea

Imjeong Ho-Soon Yang has completed her PhD from University of Georgia, USA and postdoctoral studies from Argonne National Laboratory. She is the professor at Deptartment of Physics, Pusan National University, Korea. She has published more than 75 papers in reputed journals.

Title: Computational Modeling of Photothermal Therapy Using Gold Nanoparticle for Lung Cancer Treatment

Ibtihag Yahya
University of Science
and Technology

Ms. Ibtihag Yahya is a research assistant of Biomedical Engineering at the Sudan University of Science and Technology in the Biomedical Engineering Department. She has completed her master from Sudan University of Science and Technology in Biomedical Engineering. Most recently, Ibtihag has published 4 papers in reputed journals.

Title: Fabrication of MIM diode for IR Light Rectification

Ananth Kumar
Gonibeed
Swansea University,
India

Ananth has completed his Msc. from Swansea University and undergraduate studies from Hindustan University. He is a co-director of PRAPATI, a premier innovation led organization. He has completed half the term for a PhD in UTT after which he resigned from the position.

SPEAKER SLOTS AVAILABLE

Title: **Designing a hybrid multilayer build structure to cater water pollutants**

Dr. Rohama Gill
Department of Environmental Sciences

Dr. Rohama Gill has done PhD in Chemistry from Quaid-e-Azam University, Pakistan in conjunction with Universite de Strasbourg, Institut Charles Sadron, Strasbourg, France.

At present she is serving as an Associate Professor and Chairperson in the Department of Environmental Sciences. Her research expertise include Environmental Chemistry, Polymers, and Renewable Energy Resources and Nano Fabrication of thin films for protective coatings.

Title: **DEVELOPMENT OF LIPOPHILIC NANOGELS FOR HYDROPHOBIC DRUG DELIVERY**

Bilal Mustafa
University of Strasbourg,
Strasbourg France

Mr Bilal MUSTAFA is a final year PhD student in the University of Strasbourg, France working under supervision of Professor Thierry VANDAMME.In 2016 that he started his PhD from University of Strasbourg which is continued till date.

SPEAKER SLOTS AVAILABLE

PAST AFFILIATES

PAST AFFILIATES

Yuanpeng Janet Huang
Rutgers University, USA

Sevgi Gezici
Texas A&M University, USA

John Wilson
Cold Spring Harbor Laboratory, USA

Steven Pelech
Kinexus Bioinformatics Corporation, Canada

Uma Shankavaram
National Institutes of Health, USA

Xusheng Wang
St Jude Childrens Research Hospital, USA

Hesham H. Ali
University of Nebraska , USA

Alexander Statsyuk
Northwestern University, USA

Dharani Das
Healthy Environments and Consumer Safety Branch, USA

Samson Jamesdaniel
Wayne State University, USA

Savitha Parur Venkitachalam
Western Michigan University, USA

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