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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

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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 TiO_2 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. He is the Directors of Institute of Clean Technology and Clean Energy Priority Research Center and served as the Chief Editor of "Clean

Title: Novel Nanocomposite Coatings 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

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

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: Subject

Name
Affiliation

Biography

SPEAKER SLOTS AVAILABLE

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Glimpses of Nanotechnology Conferences

















London Attractions



















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