EuroSciCon

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AGENDA

Biography

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An overview of renewable fuels ethanol from cellulose and bio-diesel from conventional/algae feed status and economic options for ETBE

Amarjit Bakshi

Refining Hydrocarbon Technologies LLC, USA

Over 40 years of experience in Engineering/ Consulting Management at senior level in Process Engineering, Technology, Business Development, Licensing, Acquisitions, Alliances and Project Management and Engineering, Operations Management and Process Engineering. Provided proven leadership and vision with broader perspectives and able to manage multiple tasks and personnel on mega projects. Patents provide refiners and petrochemical plants innovations to enhance the performance of the units. Worked in all EU countries including UK, Germany, The Netherland.

The role of enhanced oil & gas recovery in the united states and international development & the effects on pricing international development, exports, and imports

Davis L. Ford

University of Texas, North America

Davis Ford is a practicing environmental engineer with over fifty years of experience in the field. In addition he serves on the faculty at The University of Texas at Austin as an Adjunct Professor and a Visiting Professor of Petroleum Engineering at Texas Tech University. He has published hundreds of technical papers, has co-authored or contributed to ten textbooks, written several biographies, and also co-authored a children's book. Dr. Ford lectures extensively throughout the United States, Europe, South America, and Asia. Dr. Ford received his bachelor's degree in Civil Engineering at Texas A&M University and his master's and doctorate degrees in Environmental Engineering from The University of Texas at Austin. He is a Distinguished Engineering Graduate of both Texas A&M University and The University of Texas as well as a Distinguished Alumnus of Texas A&M. Dr. Ford was elected to The National Academy of Engineers (affiliated with the National Academy of Science and the National Academy of Medicine) in 1997. In 2005, he was inducted into The Academy of Medicine , Engineering, and Science at Texas.

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Supramolecular chirogenesis and chirality sensing

Victor Borovkov
Tallinn University of Technology, USA

Dr. Victor Borovkov was born in Moscow, Russia, in 1961. He received a Ph.D. degree from Moscow Institute of Fine Chemical Technology in 1988. Following a postdoctoral period at Osaka University, he worked at different research organizations in Japan for over twenty years, before joining Tallinn University of Technology (Estonia) in 2015, as a senior research scientist. He is a member of the editorial boards of several scientific journals, an author of more than 115 research papers and reviews with the h-index of 26 (WOS), 10 patents, and serving as an external peer-reviewer of various international journals and scientific foundations. He participated in different international and industrial collaboration projects and attended numerous international and national conferences as an invited speaker and a member of advisory committees. His current research interests include chemistry of porphyrins and related macrocycles, supramolecular chemistry, nanotechnology, chirality science, functional chiral materials, and asymmetric catalysis.

Environment and development: biomass for future

Abdeen Mustafa Omer
Energy Research Institute, UK

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. He has been graduated from University of El Menoufia, Egypt, BSc in Mechanical Engineering. His previous experience involved being a member of the research team at the National Council for Research/Energy Research Institute in Sudan and working director of research and development for National Water Equipment Manufacturing Co. Ltd., Sudan. He has published over 300 papers in peer-reviewed journals, 200 review articles, 7 books and 150 chapters in books.

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CuO/graphene nano-flower catalyst for CO_2 electrochemical reaction

Yucheng Wang
Northumbria University, UK

Mr. Yucheng Wang is studying his PhD in Department of Mechanical and Construction Engineering, Faculty of faculty of engineering and environment, Northumbria University. His research is mostly focused on electrocatalysts and novel materials with particular applications in CO2 capture and reduction using electrochemical method

The effect of chemical inhibitors on crude oil rheology

Muhammad Ali Theyab
London South Bank University, UK

Dr. Muhammad Ali Theyab has completed his PhD in Chemical, Process and Energy Engineering and MSc Petroleum Engineering from London South Bank University, and BSc Chemical Engineering from Tikrit University/Iraq. He is an employer at the Iraqi Ministry of Higher Education and Scientific Research. Theyab's research interests include fluid flow assurance - wax deposition, EOR. Theyab has authored several technical papers. He is a member of SPE.

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Enhancing process yield of a continuous stir tank reactor for a reaction with low single-pass

Michael K Akindeju

MKPro Engineering Pty Ltd, Australia

After 16 years of postgraduate work experience and a Master degree, Michael won the prestigious. Australian Postgraduate Scholarship Award in 2008 for his Chemical Engineering PhD during which he pioneered a novel system for controlled synthesis of Nanoparticles. He is a Chartered and a Professionally Registered Engineer, a Senior Member of the AIChE and a Member of the AusIMM. He currently serves as expert Reviewer for several journals; authored 16 research articles, two book chapters and one book. Michael is the Group CEO of MKPro group of companies focusing on Process-Technologies, Development and Innovations, Design, Management, and Operational Optimizations.

Thermophysical properties of the nanofluids which is new type of colloid systems

Valery Rudyak

Novosivirsk State University of Architecture and Civil Engineering, Russia

Professor Valery Rudyak graduated the physical faculty (molecular physics department) of the Novosibirsk University. He completed his Ph.D. dissertation in kinetic theory of gases. In 1990 he defended the doctor of science in physics and mathematics dissertation. He is Honoured Science Worker of Russian Federation. He is head of theoretical mechanics department of the Novosibirsk State University of Architecture and Civil Engineering; simultaneously he is main research scientist of the Siberian Federal University. His main field of expertise includes the following subjects: nonequilibrium statistical mechanics, kinetic theory, rarefied gas dynamics, physics and mechanics of transport processes, transport processes in nanofluids, flows in microchannels, multi-phases fluids, laminar-turbulent transition, CFD and molecular dynamics simulation. He is author of 6 monographs and more than 200 papers in reputed journal.

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Molten oxide fuel cells

Valery V Belousov

Russian Academy of Sciences, Russia

Valery V. Belousov is currently head of department of functional ceramics at IMET RAS (Moscow). He received Ph.D. degree from Ural State University (Yekaterinburg). His primary research interest is electrical and mass transport processes in oxide materials. Sergey V. Fedorov is currently scientist of department of functional ceramics at IMET RAS. He received Ph.D. degree from IMET RAS. His primary research interest is oxygen ion transport membranes and electrolytes.

A New class of biopolyether its synthetic analogs and their anticancer efficacy

Vakhtang Barbakadze

Tbilisi State Medical University, Georgia

Vakhtang Barbakadze has his expertise in isolation and structure elucidation of a new series of plant polyethers, which are endowed with pharmacological properties as anti-cancer agents. Besides, he interested in enantioselective synthesis and biological activities of basic monomeric moiety of these biopolyethers, synthesis of enantiomerically pure epoxides as chiral building blocks for the production of synthetic analogues of natural polyethers. He has completed his Ph.D and D.Sci. in 1978 and 1999 from Institute of Organic Chemistry, Moscow, Russia and Institute of Biochemistry and Biotechnology, Tbilisi, Georgia, respectively. He is the head of Department of plant biopolymers and chemical modification of natural compounds at the Tbilisi State Medical University Institute of Pharmacochemistry. 1996 and 2002 he has been a visiting scientist at Utrecht University, The Netherlands, by University Scholarship and The Netherlands organization for scientific research (NWO) Scholarship Scientific Program, respectively. He has published more than 86 papers in reputed journals.

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Elaboration of new types, environmentally safe fire- extinguishing powders and establish the conditions of extinguish optimum and effective use of such powders

Lali Gurchumelia

TSU Rafael Agladze Institute of Inorganic Chemistry and Electrochemistry, Georgia

Lali Gurchumelia, Chemist, Doctor of Technical Sciences. I work TSU Rafael Agladze Institute of Inorganic Chemistry and Electrochemistry (Georgia). Scope of scientific interests: chemical science, chemical engineering, ecological engineering, ecological biotechnology. I have 55 publications, including in the Infactactatorial Journal -12. The last 10 years I have participated in 5 scientific grant. Currently I am a manager of the grant # 216770 " New type fire-extinguishing powders and foam-suspensions based on local mineral raw materials " funded of the National Science Foundation. I participated in many international conferences and congresses: Nürnberg, Germany; Toledo, Spain; New Forest, UK; Montreal, Canada; Istanbul, Turkey; Elenite Holiday Village, Bulgaria; Rome, Italy; Paris, France; Yerevan-Vanadzor; Tbilisi, Georgia and Ureki, Georgia. I have many years of experience in the study and evaluation of fire–extinguisghing and fire-protective materials.

PEG-based polymers for controlled Ibuprofen delivery

Margarida Franco

Centre for Rapid and Sustainable Product Development, Portugal

Margarida Franco has a master's degree in Pharmaceutical Sciences (Universidade de Lisboa). In her final studies she put an emphasis on the issue "Plant based medicines for topical application in the treatment of skin infections". She worked, for several years, in hematological, biochemical and microbiological analysis as a Biomedical Scientist. Later on, she joined a research group led by J. P. Dehaye at the department of Biochimie Generale et Humaine del 'Université Libre de Bruxelles (ULB). Later on, she worked in two high school laboratories.

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Influence of the chemical changes in the energy properties of several torrefied Portuguese biomasses

Abel Rodrigues
INIAV, Portugal

Dr. Abel Martins Rodrigues holds a MsC in Mechanical Engineering (Energy Profile) and PhD in Environmental Engineering, both degrees obtained in Instituto Suprior Técnico of Lisboa, and is a researcher in Portuguese, Instituto Nacional de Investigação Agrária for the last 34 years. His areas of research are now focused mainly in production of forest biomass for energy and in thermo-chemical biomass conversion Technologies. He is author of a book "Princípios fundamentais de physical ecology" ("Fundamental principles of physical ecology") and author or co-author of about 40 research book chapters, articles and conference proceedings published in international and Portuguese journals.

Influence of the chemical changes in the energy properties of several torrefied Portuguese biomasses

Leonel Jorge Ribeiro Nunes
University of Aveiro, Portugal

Dr. Leonel Jorge Ribeiro Nunes holds a PhD in Industrial Engineering and Management, and concluded two Post Doctoral research projects about thermochemical conversion technologies at the University of Beira Interior and at the University of Aveiro. Presently isInvited Assistant Professor at DEGEIT of the University of Aveiro (Portugal), and Researcher at GOVCOPP. His areas of research focus mainly in Biomass Energy and in Thermochemical Conversion Technologies. He is author or co-author of more than 50 research articles published in several reputed international journals and conference proceedings.

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Solid oxide fuel cells – highly efficient and environmentally friendly electrochemical devices for the energy supply of the future

Vanja Subotic

Graz University of Technology, Austria

Vanja Subotić is assistant professor and the head of the fuel cell research group at the Institute of Thermal Engineering at Graz University of Technology. She has set his research focus on high temperature processes, including solid oxide fuel and electrolysis cells (SOFC/SOEC), their short- and long-term degradation, their numerical representation via CFD simulations, as well as online monitoring and development of methods for restoring performance of SOFC/SOEC systems. She received her PhD at Graz University of Technology, for which she examined various degradation mechanisms and the possibilities for their detection by applying advanced electrochemical methods, in addition to developing novel strategies for carbon removal and restoring cells' performance in a cell-protecting manner.

Removal of arsenite (As(III)) and antimonite (Sb(III)) from water by chemically-modified biomass of marine algae posidonia oceanica

Hanen Bessaies

Tunis El Manar University, Tunisia

She is presently associated with the Desalination and water Treatement Recherche Unit UR11ES17, Faculty of Sciences of Tunis, Tunis El Manar University, 2092, El Manar I, Tunisia. She also worked in the Laboratory of Green Chemistry, School of Engineering Science, Lappeenranta University of Technology, Sammonkatu 12, FI-50130 Mikkeli, Finland.

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Alternate dyes/stains used in electrophoresis

Venkata Raghavendra Rao Morusupalli

Avalon University School of Medicine Netherlands

He did his MD(US), Ph.D, FRSTMH (UK), FRSB (UK), FZSL(UK), FABAP, FSAB, FAGE also a Professor of Microbiology and Immunology. He was also a Dean of Student Affairs & Research Director and is presently serving as a senior faculty member in Avalon University School of Medicine (AUSOM)

The potential biologically active epoxides and hydroperoxides derived from natural monoterpene linalyl acetate as a major ingredient of lavender essential oil

Suzan A Khayyat

King Abdulaziz University, Saudi Arabia

Dr. Suzan A. Khayyat has completed her PhD in Organic Chemistry by Faculty of Education –Jeddah, Saudi Arabia. She has worked as associate professor of organic Chemistry at King Abdulaziz University, Jeddah in Saudi Arabia. She has published more than 30 papers in reputed journals and has been serving as a Vice dean of Faculty of Science and Arts in Rabigh at King Abdulaziz, Jeddah, Saudi Arabia.

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Novel drug discovery approaches for cancer metabolism: Old paradigm with new perspective

Mustafa Guzel
Istanbul Medipol University, Egypt

Dr. Guzel graduated from Hacettepe University School of Engineering with a Bachelor of Science in Chemistry in 1987 and completed his Masters of Science and PhD in Medicinal Chemistry at Clemson University in the United States in 1996 and 2000 respectively. Dr. Guzel has over 25 years of Medicinal Chemistry experience with increasing responsibilities most notably as Senior Research Investigator at vTv Therapeutics, in High Point, NC where he developed leading drug candidates for treatment of Cancer, Diabetes, and Alzheimer's Disease. Currently, Dr. Guzel serves as Associate Professor in Pharmacology at the International School of Medicine of Istanbul Medipol University where he leads the laboratory of Molecular Discovery and Development group.

Microscopic and spectroscopic insights into stable uranium phosphate nano-biomineral mediated by microorganisms

Xiaoqin Nie
Southwest University of Science and Technology, China

Dr. Nie has completed her PhD in Nuclear Fuel Cycle and Material by Sichuan University. She has worked as Associate Professor of Nuclear Chemical and Nuclear Engineering at Southwest University of Science and Technology. She has published more than 35 papers in reputed journals.

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Cerium-containing catalysts derived from metal-organic frameworks for toluene catalytic oxidation

Mingli Fu
South China University of Technology, China

Mingli Fu, Ph. D., Associate Professor of Atmospheric Environment and Pollution Control at South China University of Technology. One of the core members of R & D platforms including National Engineering Laboratory for VOCs Pollution Control Technology and Equipment, and the Guangdong Provincial Key Laboratory for Atmospheric Environment and Pollution Control. He has Published a series of papers mainly in the environmental catalysis field such as Appl. Catal. B-Envrion., Chem. Eng. J., Catal. Commun., Catal. Today, RSC Adv., J. Rare Earth. and J. Environ. Sci. He was also a reviewer for ACS Applied Materials & Interfaces, International Journal of Environmental Science and Technology, Journal of Materials Science, Journal of Rare Earths and Acta Physico-Chimica Sinica, etc.

Preparation of cisplatin-containing nanofibrous mats and it's *in vitro* antitumor activity against oral squamous cell carcinoma

Daifeng Hao
Chinese PLA General Hospital, China

Dr. Daifeng Hao has completed his PhD in Surgery by Medical school of Chinese PLA. He has worked as professor of Wound Repair Centre, Burn & Plastic Surgery, at First Affiliated hospital of Chinese PLA General Hospital. He has published more than 30 papers in reputed journals and has been serving as a director of Wound Repair Centre, Burn & Plastic Surgery.