

**SIXTH SESSION OF THE
BULGARIAN-INDIAN JOINT SCIENCE & TECHNOLOGY COMMITTEE**

Sofia, May 14, 2009

New Proposals approved for implementation

PROJECT TITLE	INDIAN P.I.	BULGARIAN P.I.
Sea water and Brines improved treatment aimed at better utilization of mineral resources and environmental protection	Dr. Abdul Rahaman Professor Environmental Engineering unit, School of Civil Engineering, SRM University, Kattankulathur, Tamilnadu - 603 203, India Tel.: +91-44-27452270, 27417777 Fax.:+91-44-27453903 aarahaman@gmail.com	Dr. Stefka Tepavitcharova Assoc. Professor, PhD Institute of General and Inorganic Chemistry Bulgarian Academy of Sciences Acad. G. Bonchev Str., bl. 11 1113 Sofia, Bulgaria Tel.: + 359 2 9793926 Fax.:+ 359 2 8705024 stepav@svr.igic.bas.bg
Design and development of Intuitionistic fuzzy logic tools in Information Technologies	Dr. (Mrs). R.Parvathi Lecturer (Senior Scale) Department of Mathematics, Vellalar College for Women, Tamilnadu, Erode - 638 012, India +91-424-2431325 +91-424-2431425 paarvathis@rediffmail.com	D-r Krassimir Atanassov Professor, D.Sci Centre of Biomedical Engineering Bulgarian Academy of Sciences Acad. G. Bonchev Str., bl. 105 1113 Sofia, Bulgaria Tel.: + 359 2 9793602 Fax.:+ 359 2 8723787 krat@bas.bg
Nanostructured urease biosensor for determination of heavy metals for food safety and environmental monitoring	Dr. (Mrs). N.R.Kamini Scientist Central Leather Research Institute, Adyar - 600 020, Chennai, India +91-044-2443 0273 +91-044-2491 1589 nrkamini@rediffmail.com	Dr. Tzonka Godjevargova Assoc. Professor, PhD University "Prof. Dr. Assen Zlatarov" 1 Prof. Y.Yakimov Str. 8010 Burgas, Bulgaria Tel.: + 359 56 858353 Fax.:+ 359 56 858220 godjevargova@yahoo.com
Study and application of very high temperature biomass gasification technology for clean gas production	Dr. A. Saravankumar Scientist -D Research & Development (Renewable Energy), Spray Engineering Devices Limited, C- 82, Industrial Area, Phase VII, Mohalir - 160 055, Punjab, India Tel.: +91-172 3029999 Fax.:+91-172 3029774 a.saravankumar@sedi.in	Dr. Ivan Ivanov Assoc. Professor, PhD Technical Univesity 8 Kliment Ohridski, Blvd., bl.12 1000 Sofia, Bulgaria Tel: + 359 965 2043 Fax.:+ 359 965 2043 ivec@tu-sofia.bg

Research and development of new materials on the base of recycling of reactive and refractory metals scrap through electron beam method	Dr. Tirthahalli Lakshmaiah Prakash Director Centre for Materials for Electronics Technology (C-MET), IDA, Phase-III, Cherlapally, HCL Post, Hyderabad - 500 05, INDIA Tel.: +91-40- 27265673 Fax.:+91-40- 27261658 tlprakash@cmet.gov.in prakashtl@yahoo.com	Katia Vutova Assoc. Professor, PhD Institute of Electronics Bulgarian Academy of Sciences 72 Tzarigradsko Chaussee 1784 Sofia, Bulgaria Tel.: +359 2 979 5922 Fax.:+359 2 975 3201 vutova@ie.bas.bg katia@van-computers.com
Al-Si-Zr alloy based material for biomedical application	Dr. Ashit Kumar Pramanick Scientist -C National Metallurgical Laboratory, Jamshedpur - 831 007, India Tel.:+91-657 2271 709-14 (ext. 2152) Fax.:+91-657 2270527 pramanick@nmlindia.org pramanick_ak@rediffmail.com	Dr. Nikola Stoichev Assoc. Professor, PhD Institute of Metal Science Bulgarian Academy of Sciences 67 Shipchenski prohod, Blvd. 1574 Sofia, Bulgaria Mobile: + 359899 795337 Fax.:+ 359 2 872 3827 n_stoichev@ims.bas.bg n_stoichev@yahoo.com
Studies on Utilization of Bio diesel and biogas derived from Non_Edible oils of Indian and Bulgarian origin as fuel in Compression Ignition Engine	Dr. Natesh Kapilan Assoc. Professor, Ph.D Department of Mechanical Engg, Nagarjuna College of Engg & Tech, Devanahalli, Bangalore - 562 110, India +91-080-2764 5992 +91-080-2764 5990 kapil_krecmech@yahoo.com	Dr. Bayko Dimitrov Baykov Professor, D.Sci Earth and Environmental Sciences Department, New Bulgarian University 21 Montevideo str., office 606 1618 Sofia, Bulgaria Tel.: +359 2 8110 606/8110 626 Fax.:+359 2 8110 310 b.baikov@nbu.bg
<i>In situ</i> synthesis of metallic and intermetallic nanoparticles with controlled dimensions and topography for biomedical applications	Dr. Arvind Sinha Scientist E-II National Metallurgical Laboratory, Jamshedpur - 831 007, India Tel.:+91-657 2271 709-14 (ext. 2152) Fax.:+91-657 2270527 arvind@nmlindia.org	Dr. Iovka Dragieva Professor, D.Sci Institute of Electrochemistry and Energy Systems Bulgarian Academy of Sciences Acad. G. Bonchev Str., bl. 10 1113 Sofia, Bulgaria Tel.: + 359 2 9792783 Fax.:+ 359 2 8722544 iovka@bas.bg
Investigation and application of new synthetic strategies for the synthesis of DHODH inhibitors for anticancer activity	Dr. Manjunath Ghate Professor, Ph.D Department of Pharmaceutical Chemistry, Krupanidhi College of Pharmacy, Karnatakai state, Bangalore - 560 035, India +91-080-6597 3261 +91-080-2552 6580 ghate72@gmail.com	Dr. Iliyan Ivanov Assoc. Professor, PhD Department of Organic Chemistry Plovdiv University 24 Tzar Assen, Str. 4000 Plovdiv, Bulgaria Tel.: + 359 32 261 349 Fax.:+ 359 32 261 403 ivanov@uni-plovdiv.bg

<p>Prebiotics and nutraceuticals production from Lactic acid bacteria</p>	<p>Dr. Arun Goyal Assoc. Professor Department of Biotechnology, Indian Institute of Technology Guwahati, Guwahati - 781 039, Assam, India +91-361-2582208 +91-361-2690762 arungoyl@iitg.ernet.in</p>	<p>Dr. Ilia Iliev Assoc. Professor, PhD Department of Biochemistry and Microbiology Plovdiv University 24 Tzar Assen, Str. 4000 Plovdiv, Bulgaria Tel.: + 359 32 261323 Fax.:+ 359 32 688064 ilievini@abv.bg</p>
<p>Active deformation in mountain front of the central seismic gap region in Garhwal Himalaya</p>	<p>Dr. Anand Kumar Pandey, Scientist C National Geophysical Research Institute, Uppal Road, Hyderabad - 500 606, India Tel.: +91-40- 23434700 Fax.:+91-40- 23434651 akpandey@ngri.res.in</p>	<p>Marlena Yaneva Assoc. Professor, PhD Geological Institute Bulgarian Academy of Sciences Acad. G. Bonchev Str., bl. 24 1113 Sofia, Bulgaria Tel.: + 359 2 9792257 Fax.:+ 359 2 8724638 marlena@geology.bas.bg</p>
<p>Decision support system for assessing impact of low quality water used in irrigated agriculture on food production</p>	<p>Dr. Ashwani Kumar Director Water Technology Centre for Eastern Region, Chandrasekharapur, Bhubaneswar, Orissa - 751023, India +91-674- 2300060 +91-674-2300060 ashwani_wtcer@yahoo.com</p>	<p>Dr. Zhivko Zhivkov Assoc. Professor, PhD University of Forestry, Faculty of Agronomy 10 Kliment Okhridsky Blvd. 1756 Sofia, Bulgaria Tel.: +359 2 8192928 Fax.:+359 2 8622830 zhivkov75@yahoo.com</p>
<p>Short-term optical variability of various classes of luminous Active Galactic Nuclei (AGNs)</p>	<p>Dr. Alok Chandra Gupta Scientist -C Aryabhata Research Institute of Observational Sciences (ARIES), Manora Peak, Nainital - 263 129, India +91-5942 233734 Ext. 215 +91-5942 233439 alok@aries.ernet.in</p>	<p>Dr. Evgeni Semkov Senior Research Fellow Institute of Astronomy Bulgarian Academy of Sciences 72 Tzarigradsko Chaussee 1784 Sofia, Bulgaria Tel.: + 359 2 9741910 Fax.:+ 359 2 9741910 esemkov@astro.bas.bg</p>