



BIOPARTNERS Networking Session

THE LATEST DEVELOPMENTS IN FOOD SCIENCE AND TECHNOLOGY IN EUROPEAN AND SOUTH CAUCASUS COUNTRIES

Within the context of ***RAFA2013***

Prague - Czech Republic
Thursday, November 7, 2013
9.45 - 12.15

Venue: Clarion Congress Hotel Prague, Aquarius hall

Main organizers:

Soraya Bernard (inno), Dr. Nani Mchedlishvili (DIBBAUG), Dr. Jose Neptuno Rodriguez-K Lopez (UMU)

Goal of the meeting:

To inform the audience about latest developments in Food Science and Technology in European and South Caucasus Countries, with special reference to South Caucasus regions.





AGENDA

9.45 00-9. 50

WELCOME WORDS AND OPENING CEREMONY

Giorgi Kvesitaze, Professor, President of the Georgian National Academy of Sciences, Director of Durmishidze Institute of Biochemistry and Biotechnology of Agricultural University of Georgia (DIBBAUG), Coordinator of the Project BIOPARTNERS (5min)

9.50 –10.00

PRESENTATION OF THE BIOPARTNERS PROJECT

Biopartners Project (10min)

Tinatín Sadunishvili, Professor, Head of Laboratory, Durmishidze Institute of Biochemistry and Biotechnology of Agricultural University of Georgia (DIBBAUG), Georgia

10.00 –10.30

FOOD SCIENCE AND TECHNOLOGY DEVELOPMENTS IN THE CAUCASIAN REGION

10.00 –10.10

Hydrolytic Enzymes from Extremophiles in Food Processing (10 min)

Giorgi Kvesitadze, Professor, President of the Georgian National Academy of Sciences, Director of Durmishidze Institute of Biochemistry and Biotechnology of Agricultural University of Georgia (DIBBAUG), Georgia

10.10–10.20

Agriculture of Georgia: Reforms, Global Impact and Outlook (10min)

Alexandre Didebulidze, Professor, Iv. Javakhishvili Tbilisi State University, Georgia

10.20–10.30

Biological Approaches to Improvement of Degraded Lands (10 min)

Esmira Alirzayeva, Associate Professor, Department of Plant Physiology, Head of Department of Scientific Information and Innovation, Institute of Botany, Azerbaijan National Academy of Sciences (ANAS), Azerbaijan





10.30–11.00

COFFEE BREAK

11.00–11.50

OPPORTUNITIES IN EUROPE:

11.00–11.10

Application of Inulin and Tea Polyphenols in Cancer Treatment (10)

Jose Neptuno Rodriguez-Lopez, Professor, Head of laboratory,
University of Murcia, Spain

11.10–11.20

Experimental Design for Media Optimization (10 min)

Walter Steiner, Professor, Graz University of Technology, Austria

11.20–11.30

**Nano Particle Magnetized Wine Yeast *Saccharomyces cerevisiae*
in Sparkling Wine Production (10min)**

Marin Berovič, Professor, Faculty of Chemistry and Chemical Engineering,
Dept. Chemical, Biochemical Engineering, University of Ljubljana, Ljubljana,
Slovenia Engineering, University of Ljubljana, Slovenia

11.30–11.40

Plant Viruses and Food Security. The Case of Pepino Mosaic Virus (10min)

Miguel A. Aranda, Professor, Department of Biology of Stress and Pathology,
Center for Soil Science and Applied Biology of the Segura (CEBAS)-CSIC, Spain

11.40–11.50

Horizon2020 Opportunities (10min)

Soraya Bernard, European project manager, INNO TSD, France

11.50–12.15

OPEN DISCUSSIONS





Abstract:

The team of BIOPARTNERS project funded by the European Commission, under the 7th Framework programme ERA-WIDE call, is organizing Networking session entitled :**"The Latest Developments in Food Science and Technology In European and South Caucasus Countries."**

The main objective of this project is to enhance the research links in Biotechnology, bridge the gap between Georgia and EU and to integrate Georgian scientists into the European Research Area. We are pleased to invite you to participate in our networking session, which will be held within the context of of the **the 6th International Symposium on Recent Advances in Food Analysis (RAFA 2013)**. The event will provide a forum for exchange of ideas and will enable face-to-face meetings among researchers from the EU and Georgia. This could be a great opportunity for building future win-win partnerships.

Speakers

Dr. Esmira Alirzayeva

Presentation Title : Biological Approaches to Improvement of Degraded Lands



Esmira Alirzayeva is an Associate Professor of Department of Plant Physiology, Institute of Botany, Azerbaijan National Academy of Sciences (ANAS) and Head of Department of Scientific Information and Innovation, Institute of Botany, Azerbaijan National Academy of Sciences (ANAS). Her research interests include biodiversity, medicinal plants, plant biochemistry, plant nutrition, environmental pollution and phytoremediation. She is a participant of a number of International projects. For years she was a visiting researcher of Turku University, Finland, Berlin-Dahlem Botanical Garden and Botanical Museum, Institute of Plant Nutrition (University of Hohenheim, Germany). She was invited as a speaker to International Conference on Plants and Environmental Pollution (ICPEP), Kayseri, Turkey; to the 6th International Symposium on Ecosystem Behaviour Biogeomon, Helsinki, Finland; to the 3rd International Conference on Plants and Environmental Pollution, Lucknow, India and satellite session of ICPEP-3, New-Delhi, India; to Workshop on Metal Fluxes and Stresses in Terrestrial Ecosystems, Ascona, Switzerland.





Dr. Miguel A. Aranda

Presentation Title : Plant Viruses And Food Security. The Case Of Pepino Mosaic Virus



Miguel A. Aranda graduated from Universidad Politecnica de Madrid in 1989. He is PhD in Plant Pathology, Research Professor as well as Head of Department of Stress Biology and Plant Pathology, CEBAS- CSIC, Murcia, Spain. In 2000-2002 he was Deputy Director of EELM-CSIC, Malaga, Spain. Dr. Aranda is also the founder and shareholder of the company Bioproduct, a spin-off of CSIC, UM and IMIDA (Spain). He is a member of editorial boards of the following journals: Open Virology Journal, Annals of Applied Biology and Journal of General Virology. Since 2009 professor Miguel A. Aranda has been teaching in Applied Virology, Master in Plant Biology and Biotechnology (Univ. Murcia, Spain). Main Research interests of Dr. Aranda are Plant Virology, Molecular Genetics and Genomics. 57 papers of Dr. Aranda included in the Science Citation Index. He has participated in 7 International grants since 2005 and has had 4 patents since 2001.

Soraya Bernard

Presentation Title : HORIZON2020 Opportunities



Soraya BERNARD graduated from the University of Caen with a Master degree in European project management. After working in Spain and in the UK, she joined Inno TSD as a consultant in economic development and European project management. She has a good knowledge of innovation and technology transfer system, at regional, national and European level. Furthermore, she has an experience in international cluster cooperation, SMEs internationalization...

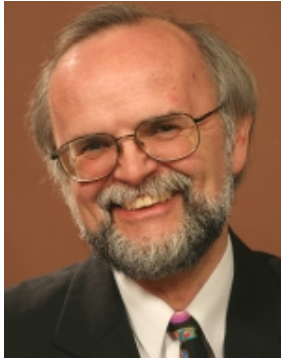
Soraya has confirmed competences on identification strategic cooperation priorities and innovation networking, she has been responsible for the dissemination and knowledge diffusion in various FP7 projects, including the organisation of training courses, workshops, brokerage events, etc. In addition to her native French, she is fluent in Spanish and English.





Dr. Marin Berovič

Presentation Title : Nano Particle Magnetized Wine Yeast *Saccharomyces Cerevisiae* in Sparkling Wine Production



Marin Berovič is a full time Professor of Biotechnology and Bioengineering of University of Ljubljana, Slovenia, Faculty of Chemistry and Chemical Engineering, Dept. Chemical, Biochemical Engineering. He is a co-editor of World Encyclopaediae on Living Support Systems EOLLS, Volume Biotechnology, an editor and co-editor of 8 text books EFB Bioprocess Engineering, an editor on : Biochemical Engineering : Biotechnology Journal Biotechnology Annual Review, referee of Biotechnology Bioengineering, Journal of Biotechnology, Biochemical Engineering Journal, International Journal of Medicinal Mushrooms, Member of Editorial Boards : Food Technology Biotechnology, Chemical Biochemical Engineering Quaterly, Phytomedicine. He is also a member of New York Academy of Sciences, American Chemical Society International Organisation on Biotechnology, European Association for Promotion of Science and Technology. He obtained four awards for his scientific and research work, two National B. Kidric Awards for research and inovations and Krka Award. His scientific bibliography include 456 various contributions from the field of Biotechnology and Biochemical Engineering. He was a chairman of European Section on Biochemical Engineering Sciences, a Vice-Chairman of International Organization on Biotechnology and Bioengineering (World Association), a Member of The Executive Board of European Federation on Biotechnology, Co-Editor of Volume Biotechnology – Encyclopaediae of Life Support Systems (World Encyclopaediae of Science and Technology).

Dr. Alexandre Didebulidze

Presentation Title : Agriculture of Georgia: Reforms, Global Impact and Outlook



Alexandre Didebulidze is a Corresponding member of Georgian Academy of Sciences, Academician of the Georgian Academy of Agrarian Sciences, Professor (Electric Engineering and Electric Drive, Doctor of Technical Sciences (Farm Electrification), Professor of Iv. Javakhishvili Tbilisi State University, Georgia. He graduated from the Georgian Technical University in 1966. Up to 1968 he worked at the Technical University as an assistant at the Chair of Electric Machines. In 1968-1974–worked at the Institute of Mechanization and Electrification of Agriculture. His scientific activity deals mainly with the problems of electrification of agriculture and electromechanics – with special electrified transportation-technological machines, exploitation of electric plants. He is deputy chairman of the Board of Academic Experts), secretary of sub-committee for Education of the National Committee of UNESCO, member of the Board of Library Development Foundation (1995), member of the National Academy of Energetics.





Dr. Giorgi Kvesitadze

Presentation Title : Hydrolytic Enzymes from Extremophiles in Food Processing



Giorgi Kvesitadze is PhD, DSci, Full Professor, Presedent of Georgian National Acadey of Sciences, Director of Durmishidze Institute of Agricultural Univesrsity of Georgia (DIBBAUG), Member of the Georgian National Academy of Sciences, Dr. Kvesitadze, is also Academician-Secretary of the of Biological Department of the Georgian National Academy of Sciences and coordinates many prominent S&T activities and initiatives in Georgia in the field of biological sciences / biotechnology. He is a Member of Editorial Boards of three international Journals, two Journals of Russian Academy of Sciences and Journal of the Academy of Sciences of Georgia. In 1992-1994 he was Minister of Agriculture and Food Processing of Georgia. Dr. Kvesitadze held over 80 seminars in the USA, Germany, Belgium, Austria, France, England, Spain, Italy, etc. Main fields of activity: Collection of mesophilic and extremophilic microorganisms (more than 3000 strains), Characterization of stable enzymes (cellulases, xylanases, amylases, etc) isolated from microorganisms growing at extreme conditions, Elaboration of new technologies based on the action of microorganisms and their enzymes, Investigation of microorganisms and plants abilities to assimilate and metabolize organic ecotoxicants and heavy metals, Biological control of plant bacterioses. Dr. Kvesitadze participated (mainly as project director in 20 International and National grants. He has more than 200 Scientific publications in National and International Scientific Journals and 6 Monographs.

Dr. Jose Neptuno Rodriguez- Lopez

Presentation Title : Application of Inulin and Tea Polyphenols in Cancer Treatment



Jose Neptuno Rodriguez-Lopez is Professor, Head of laboratory, University of Murcia, Spain . He is a member of the Group of Enzymology of the Department of Biochemistry and Molecular Biology A and Project Leader in the field of Biotechnology and Design of Drugs. During his career he has published more than 120 publications in relevant scientific journals, has participated in more than 25 research projects (in 14 of them as a Project Leader) and has directed 12 PhD Thesis. Ongoing research is concentrated in production of recombinant proteins for their use in biomedicine and the industry and in the search for new inhibitors of dihydrofolate reductase (DHFR) as anticancer and antimicrobial agents.





Dr. Tinatin Sadunishvili

Presentation Title : Biopartners Project



Tinatin Sadunishvili graduated from State University, Faculty of Biology, Biochemistry in 1975. She is PhD, D. Sci, and Corresponding Member of the Georgian National Academy of Sciences. Since 1975 she has been working at Durmishidze Institute of Biochemistry and Biotechnology (DIBB). At present she is Head of Laboratory and Full Professor of DIBBAUG. Main fields of activity of Dr. Sadunishvili are: Plant adaptation mechanisms. Ammonia primary assimilation. Energy and nitrogen metabolism enzymes: physical-chemical properties, kinetics and regulations. Phytoremediation. Elaboration of biological control methods against plant bacterioses; Xanthomonas and Pseudomonas phytopathogenic bacteria and their specific bacteriophages; Plant-pathogen-bacteriophage interactions. Dr. Sadunishvili participated (mainly as project manager) in 17 International and National grants. She has more than 100 Scientific publications in National and International Scientific Journals. 3 Monographs.

Dr. Walter Steiner

Presentation Title : Experimental Design for Media Optimization



University Prof. Walter Steiner was also head of the “Enzyme - Technology” group in the department of Biotechnology at the Graz University of Technology. In addition to teaching Biotechnology, Biochemical Engineering, Enzyme Technology, Wood Protection, Process Control and Optimisation in Biotechnology at the Graz University of Technology, he is appointed as external examiner and teacher at several Universities abroad and member of the Editorial Board of several scientifically recognized journals. Evaluator in different national and international activities including EC projects. His research is focused on “Enzymes involved in the degradation of natural biopolymers”, “Enzymes for enhanced biogas(methane) production” on “Enzymes in Pulp and Paper Industries” on “Isolation and Characterization of Starch-phosphorylases”, in “Biofunctionalization of Polymers” and on Enzymes involved in the Biodegradation of Environmentally Difficult-degradable Compounds as well as on “Enzymes from Extremophiles” and on “Biocatalysis and Biotransformations”. He organized several scientific Meetings, Symposia and Summer Schools. More than 150 publications in refereed journals, 5 patents, over 200 lectures and posters, several other contributions in books, etc. show his scientific record and activities.





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