

Third International Conference on Bio-antioxidants

“Natural bio-antioxidants as an inspiration for food chemistry and pharmacy”

17 – 21 September 2019, Nessebar, Bulgaria

Preliminary Scientific Program

Tuesday, 17th September 2019			
Registration and information <i>Company for International Meetings</i>		<i>Marieta Palace, Nessebar</i>	13.00-18.00
Welcome and Opening Ceremony			17.00-19.00
Prof. Vessela Kancheva Chair of the Organizing Committee, IOCCP – BAS, Bulgaria		Welcome address 3 rd ICBA 2019	17.00-17.20
Assoc. Prof. Petko Denev Coordinator YSSBA 2019, IOCCP – BAS, Bulgaria		Welcome address Young Scientists School	17.20-17.30
Prof. Pavletta Shestakova IOCCP-BAS, Bulgaria		150 years Bulgarian Academy of Sciences	17.30-17.45
Prof. Margarita Popova, IOCCP-BAS, Bulgaria		Welcome address IOCCP-BAS	17.45-18.15
Mr. Alexander Kirilov		Sponsors presentations - Metrohm	18.15-18.30
Mr. Victor Vodenicharski		Sponsors presentations – Shimadzu	18.30-19.00
Welcome Reception			19.00-21.30
Wednesday, 18th September 2019			
Registration			8.00-12.00
Prof. Grzegorz Litwinienko University of Warsaw, Poland		Opening Plenary Lecture From natural antioxidants to their modified synthetic analogues – the inspiration for physical organic chemistry	9.00-9.45
Topic A: Oxidative Stress and Human Health Moderators: Prof. V. Kancheva, Prof. C. Bravo-Diaz			
PL1	Prof. Veselina Gadjeva Trakia Univ., Stara Zagora, Bulgaria	Oxidative stress parameters in patients with vitiligo and psoriasis: relationship to diseases activity and therapy	9.45-10.30
Coffee break / Poster session 1			10.30-11.00
KL1	Prof. Jan Frederik Stevens Oregon State University, USA	Vitamin C protects Xanthine oxidase: potential relevance to nitrate therapy	11.00-11.30
Topic B: Natural Bio-antioxidants Moderators: Prof. V. Kancheva, Prof. C. Bravo-Diaz			
PL2	Prof. Se-Kwon Kim	Development and application of bioactive substances derived from marine organisms	11.30-12.15

	Korea Maritime and Ocean University, South Korea		
Lunch break / Poster session 1			12.15-13.30
KL2	Dr. Riccardo Amorati University of Bologna, Italy	Unexpected antioxidant activity of bio-quinones	13.30-14.00
Topic C: Synthetic Analogues of Natural Bio-antioxidants Moderators: Prof. O. Kasaikina, Prof. J. F. Stevens			
PL3	Prof. Virinder S. Parmar University of New York, USA	From natural polyphenolic antioxidants to their modified synthetic analogues, and then to polymeric antioxidants of higher efficacy	14.00-14.45
KL3	Prof. Aleksei Trofimov Russian Academy of Sciences, Russia	Chemiluminescence approach for monitoring the cellular generation of reactive oxygen species in the blood upon using nicotine products	14.45-15.15
Coffee break / Poster session 1			15.15-17.00
Nessebar Old town walking tour			17.00-18.30
Thursday, 19th September 2019			
Registration			8.00-12.00
Topics D and E: Homogeneous and Heterogeneous Lipid Oxidation / Food Analysis, food additives and food supplements Moderators: Prof. A. Trofimov, Prof. R. Amorati			
PL4	Prof. Carlos Bravo-Díaz University of Vigo, Spain	Targeting antioxidants to interfaces or how to improve antioxidant efficiency in oil-in-water emulsions	9.00-9.45
KL4	Prof. Olga Kasaikina Russian Academy of Sciences, Russia	The influence of moderate magnetic fields on lipid oxidation and stabilization	9.45-10.15
Coffee break / Poster session 2			10.15-11.00
PL5	Prof. Ryszard Amarowicz Polish Academy of Sciences, Poland	The impact of high pressure processing on the antioxidant potential of foods	11.00-11.45
KL5	Prof. Fanny Ribarova Med. Univ., Sofia, Bulgaria	Food – source of nutrients with antioxidant potential	11.45-12.15
Lunch break / Poster session 2			12.15-13.30
	Prof. Alja Tadger Sofia University, Bulgaria	Closing Lecture Topology dependent mechanism of OH dissociation of phenolics	13.30-14.00
Young Scientists School on Bio-antioxidants			
Session 1: Advanced methods for analysis of bio-antioxidants Moderators: Prof. R. Amorati, Prof. G. Litwinienko			
YKL1	Prof. Pavleta Shestakova IOCCP-BAS, Bulgaria	Solid state NMR spectroscopy as a tool to study polymorphism of bioactive substances	14.00-14.20
YKL2	Prof. Premysl Mladenka, Charles University in Prague, Czech Republic	Metal chelation by polyphenols, what are the consequences	14.20-14.40

YKL3	Prof. Irina Potoroko South Ural State University, Chelyabinsk, Russia	Ultrasound assisted nanoemulsion formation for encapsulating biologically active substances	14.40-15.00
Coffee break / Poster session 2			15.00-15.30
YKL4	Prof. Pavlina Dolashka IOCCP-BAS, Bulgaria	Glycosilation and mass spectrometric analyses	15.30-15.50
YKL5	Assoc. Prof. Petko Denev, IOCCP-BAS, Bulgaria	Fluorescence-based methods for determination of antioxidant activity of food, plant and biological samples	15.50-16.10
YKL6	Dr. Petko Alov Inst. Biophys. & Biomed. Eng.-BAS, Bulgaria	Methods of QSAR/QSPAR and their application in computational studies of bio-antioxidants	16.10-16.30
YKL7	Assoc. Prof. Denitsa Yancheva IOCCP-BAS, Bulgaria	DFT methods for study of radical scavenging mechanisms and characterization of the reaction intermediates	16.30-16.50
Poster session 2			17.00-18.00
Official Dinner			19.00-22.00
Friday, 20th September 2019			
Young Scientists School on Bio-antioxidants			
Session 2: All Topics: A, B, C, D, E and F: Young scientists school of bio-antioxidants Moderators: Assoc. Prof. P. Denev, Prof. P. Shestakova			
YOP1	Sonia Losada Barreiro, University of Vigo, Spain	Control of the antioxidant efficiency of gallates in omega-3 enriched oil-in-water emulsions	9.00-9.15
YOP2	Robert Czochara University of Warsaw, Poland	Synthesis, thermal stability and antioxidant properties of c60 fullerene functionalized with phenolic addents	9.15-9.30
YOP3	Jakub Cedrowski University of Warsaw, Poland	Sulforaphane and its analogues: the scavengers of DPPH radical with no chain- breaking activity	9.30-9.45
YOP4	Jaroslawn Kusio University of Warsaw, Poland	Bodipy-based fluorescent sensors for peroxyl radicals – synthesis and studies	9.45-10.00
YOP5	Neda Anastasova IOCCP-BAS, Bulgaria	Neuroprotective and radical-scavenging properties of benzimidazole aroyl hydrazones	10.00-10.15
YOP6	Yafang Guo University of Bologna, Italy	Study on the synergy of γ -terpinene with phenolic antioxidants	10.15-10.30
Coffee break			10.30-11.00
Poster session 3A YPP1-YPP18		Young Scientists School Poster Presentations: All Topics	11.00-12.30
Lunch break / Poster session 3			12.30-13.30
Poster session 3B YPP19-YPP36		Young Scientists School Poster Presentations: All Topics	13.30-15.00
YSSBA 2019 Poster Awarding Commission: Assoc. Prof. P. Denev, Prof. V. Gadjeva, Prof. P. Shestakova			

Closing ceremony		
Prof. Santiago Aubourg CSIC, Marine Res. Inst., Vigo, Spain	Closing Plenary Lecture Impact of alga <i>Fucus spiralis</i> extracts on the quality enhancement of commercial fish products	15.00-15.45
Assoc. Prof. Petko Denev, Coordinator YSSBA 2019	Young Scientist Awards. Presented for Best Young Scientist Oral and Best Young Scientist Poster Presentations	15.45-16.00
All participants	Discussion about the new perspective of bio-antioxidants	16.00-16.30
Prof. Vessela Kancheva Chair of the Organizing Committee, Bulgaria	Closing remarks	16.30-16.45
Assoc. Prof. Petko Denev	Welcome to the 4 th ICBA2020 in Plovdiv	16.45-17.00
Saturday, 21st September 2019		
	Departure	9.00-12.00