

DETAILED SCIENTIFIC PROGRAMME

5 August 2019, Monday

09.15 – 09.30 Opening Ceremony

Chair: Ozan UNSALAN

09.30 – 10.20 **PL1 – Juergen POPP**
Clinical Raman Spectroscopy – Precise Diagnosis as the basis for Individual and Targeted Therapy

10.20 – 11.10 **PL2 – Sefik SUZER**
X-Ray Photoelectron Spectroscopy, a Chemical Tool for Electrochemical Analyses of Potential Developments at Liquid/Solid Interfaces: Past, Present and Future

11.10 – 11.30 Coffee Break

11.30 – 11.50 **O1 – Marco PINTO**
Characterization of Proteins by Vibrational Spectroscopy

12.00 – 13.30 Lunch Break

Chair: Marco PINTO

14.00 – 14.20 **O2 – Mustafa UNAL**
Development of a Spatially Offset Raman Spectroscopy Method for non-invasive Assessment of Bone Quality

14.20 – 14.40 **O3- Shadi SADIGH**
Investigation of the Effect of α -Lipoic Acid on Liver Cell Damage in Acitretin and Methotrexate Given Rats

14.40 – 15.00 **O4 – Gamze TAN**
Biosynthesis and Characterization of Gold Nanoparticles using Persea Americana Leaf Extract

15.00 – 15.20 Coffee Break

Chair: Mustafa UNAL

15.20 – 15.40 **O5 – Ozlem BOZKURT-GIRIT**
Diabetes Induces Structural Alterations in Proteins and Lipids in Kidney Glomeruli

15.40 – 16.00 **O6 – Dursun KARAAGAC**
Synthesis, Spectroscopic, Thermal, and Structural Properties of Three New Bimetallic Cyano-Bridged Coordination Polymers Containing 4-aminomethylpyridine

16.00 – 16.20 **O7 – Hamdi TEKIN**
A Review of Studies on Monitoring of Self-Healing Processes by the Help of Different Types of Spectroscopy

16.20 – 16.40 **O8 – Hilal ACAY**
Green Synthesis, Characterization of Gold Nanoparticles Using the Aqueous Extract of Russula delica

18.00 – 19.00 Welcome Party

DETAILED SCIENTIFIC PROGRAMME

6 August 2019, Tuesday

Chair: Weitao YANG

09.30 – 10.20 **PL3 – Resat APAK**
Applied Molecular Spectroscopy in Optical Sensor Design for Antioxidant and Energetic Compounds

10.20 – 11.10 **PL4 – Austin NEVIN**
Material History: Recent Research and New Insights into the Use of Binding Media, Meteoritic Iron and Red Lakes

11.10 – 11.30 **Coffee Break**

11.30 – 11.50 **O9 – Miroslav DRAMIĆANIN**
Photoluminescence of Mn⁴⁺ Activated Li₂TiO₃: the Route for Highly-Sensitive Luminescence Thermometry

12.00 – 13.30 **Lunch Break**

Chair: Miroslav DRAMIĆANIN

14.00 – 14.20 **O10 – Gunnur GULER**
Discrimination of Cancer Cell Subpopulations based on FTIR Spectral Data

14.20 – 14.40 **O11- Mehmet BAY**
Investigation of Large-Area MoSe₂ Monolayer Formation using NaCl Salt Catalyzer by Raman Scattering and Photoluminescence Spectroscopy

14.40 – 15.00 **O12 – Mustafa TUZEN**
A New, Simple and Green Switchable Solvent Extraction of Rhodamine B and Its Spectrophotometric Determination in Water, Food and Soft Drink Samples

15.00 – 15.20 **Coffee Break**

Chair: Austin NEVIN

15.20 – 15.40 **O13 – Aytac LEVET**
Neutron Measurements for Ferro Boron Alloys and Experimental Determination of Radiation Properties

15.40 – 16.00 **O14 – Ozan UNSALAN**
Evidence of Maskelynite Formation and Low Weathering of Didim Meteorite by Infrared and EDXRF Spectroscopy

16.00 – 18.00 **Poster Session**
Poster No : 103 - 145

DETAILED SCIENTIFIC PROGRAMME

7 August 2019, Wednesday

Chair: Resat APAK

09.30 – 10.20 **PL5 – Weitao YANG**
Fractional Perspectives and Quasiparticle and Excitation Energies from Ground State DFT Calculations

10.20 – 11.10 **PL6 – Tolou SHOKUH FAR**
In-Situ TEM Studies of Biomineralization

11.10 – 11.30 **Coffee Break**

11.30 – 11.50 **O15 –Nour El Houda BELKAFOUF**
PXRD Structural Determination, Theoretical Investigations and Optoelectronic Properties of a Novel Semiconductor Material

Chair: Michael OSHTRAKH

11.50 – 12.10 **O16 – Duygu BARUT CELEPCI**
Theoretical Studies and Spectroscopic FT-IR and NMR Comparisons of Two Pd-based N-heterocyclic carbene Complexes

12.10 – 12.30 **O17 – Lamia AÏSSAOUI**
Open Shell Ions Mobility In Cooled Helium Gas at 4.3K: Shallow Minimum Appearance

12.30 – 12.50 **O18- Med Taieb BEN DHIA**
DFT and-[¹H, ³¹P, ¹¹⁹Sn]-NMR Investigation of the Cis-Trans Isomerization Mechanism of the Adduct SnCl₄.2HMPA Complex*

13.00 – 14.00 **Lunch Break**

14.00 – 19.00 **Social Tour**

DETAILED SCIENTIFIC PROGRAMME

8 August 2019, Thursday

Chair: Sefik SUZER

09.30 – 10.20 **PL7 – Thomas MAVROMOUSTAKOS**
Drug Delivery Systems for Optimizing the Therapeutic Index

10.20 – 10.40 **O19 – Yuliya E. TYUTEREVA**
Short-Lived Intermediates in Photochemistry of p-Arsanilic Acid: A Laser Flash Photolysis Study

10.40 – 11.00 **Coffee Break**

Chair: Tolou SHOKUHFAR

11.00 – 11.20 **O20 – Ahmet EMIR**
Phenolic Profiling of Allium scorodoprasum subsp. rotundum by LC-MS/MS and Evaluation of Its Biological Activity

11.20 – 11.40 **O21 – Oguz CAKIR**
Studies of Imprinting Conditions and Recognition Performance of Pirimicarb-Imprinted Sensor Chip

11.40 – 12.00 **O22 – Cisem ALTUNAYAR-UNSALAN**
A Biophysical Study of the Interactions between Citrus Flavonoid Hesperidin and Membrane Lipids

12.00 – 13.30 **Lunch Break**

Chair: Cisem ALTUNAYAR-UNSALAN

13.40 – 14.40 **Sponsor Presentation (SEM)**
Evren ERDEM
The Agilent Cary 3500 UV-Vis Spectrophotometer Offers Photometric Performance together with Unique Measurement Capabilities
Berk MUJDE
Agilent Cary 7000 Universal Measurement Spectrophotometer

14.40 – 15.00 **Coffee Break**

15.00 – 16.00 **Workshop on NMR**
Thomas MAVROMOUSTAKOS
Structure Elucidation of Active Materials Using 1D and 2D NMR Spectroscopy

16.00 – 18.00 **Poster Session**
Poster No : 147 – 181

DETAILED SCIENTIFIC PROGRAMME

9 August 2019, Friday

Chair: Thomas MAVROMOUSTAKOS

09.30 – 10.20

PL8 – Michael OSHTRAKH

Nondifferentiated and Differentiated Stony Meteorites: Comparative Analysis Using X-Ray Diffraction, Magnetization Measurements and Mössbauer Spectroscopy

10.20 – 11.10

PL9 – Reza SHAHBAZIAN-YASSAR

Two-Dimensional Materials and 3D Printing of Li Batteries

11.10 – 11.30

Coffee Break

Chair: Reza SHAHBAZIAN-YASSAR

11.30 – 11.50

O23 – Cigdem DONMEZ GUNGUNES

Investigation of the Properties of a Magnetically Modified Chestnut Shell Nanobiosorbent using Mössbauer Spectroscopy and FTIR

11.50 – 12.10

O24 – Mert AKGUN

Ni-Source Effect on the Optical Properties Of W_3 Films

12.10 – 12.30

Closing Ceremony

12.30 – 13.30

Lunch Break

LEAVING THE VENUE