

FINAL PROGRAM

(JOINT EVENT)

INTERNATIONAL CONFERENCE ON
OPTICS AND LASER TECHNOLOGY
&
WORLD CONGRESS ON
ORGANIC CHEMISTRY

 **VENUE**

Millennium Hotel Paris Charles De Gaulle
Zone Hoteliere 2 Allee Du Verger Roissy En
France, 95700 Paris, France



IN PERSON
VIRTUAL EVENT

Central European Summer Time (CEST)

OCT 24-25,
BER 2024

Note:

- The conference follows Central European Summer Time (CEST) for In-person and for Virtual sessions.
- The first day (DAY 1) of the program will take place Millennium Hotel Paris Charles De Gaulle.
- The second day (Day 2) will be complete virtual presentations which takes place in Zoom meetings in CEST time zone.
- Sometimes there may be small changes in the program due to technical problems or presenters not showing up. To avoid missing any presentations, all presenters are asked to be available for the entire day of their presentation. When the program refers to Local Timings, it means that the timing mentioned is based on the time zone of the presenter's country.



OCTOBER 24, 2024

Thursday

Central European Summer Time (CEST)

(In-person)

08:00-09:00 Registrations & AV check

Moderator

09:00-10:00 Opening Ceremony and Introduction

Gulgun Cakmak Arslan, Duzce University, Turkey

KEYNOTE PRESENTATIONS

10:00-10:40 In-person **Title:** Heterodyne laser correlation Spectroscopy: An interferometric method for measuring nanoparticle velocity

Eric Buhler, Universite Paris Cite, France

10:40-11:20 In-person **Title:** Suppression of scattering effects for macroscopic imaging of physiological functions in animal bodies

Koichi Shimizu, Xidian University, China

Coffee Break & Group Photo (11:20-11:40)

Chairs:

Eric Buhler, Universite Paris Cite, France

11:40-12:20 In-person **Title:** Exploring the medicinal frontiers: Applications of Fourier Transform Infrared (FTIR) spectroscopy in biomedical investigations

Gulgun Cakmak Arslan, Duzce University, Turkey

Lunch Break (12:20-14:00)

14:00-14:40 In-person **Title:** State-of-the Art of the X-Ray Diffraction Fractional Optics Theory: Matrix Integral Equations. The Green Function Method

Felix N Chukhovskii, Institute of Applied Mathematics and Automation KBSC RAS, Russia

14:40-15:20 In-person **Title:** Functionalization of surfaces to create partially conductive structures with short and ultra-short pulse laser radiation

Jens Bliedtner, Ernst-Abbe-University of Applied Sciences Jena, Germany

ORAL PRESENTATIONS

15:20-15:40 In-person **Title:** Development and design of new 1,2,4-triazole-1-ylmethylazoles — modern highly effective fungicides

Tsaplin Grigory, Mendeleev University of Chemical Technology, Russia

15:40-16:00 In-person **Title:** Probing the photophysics of azulene compounds with ultrafast lasers

Amy Stevens, University of Saskatchewan, Canada

Coffee Break(16:00-16:10)

16:10-16:30 In-person **Title:** Some ANRORC type reactions in the chemistry of five-membered heterocycles containing three heteroatoms
Anton Klimonov, Mendeleev University of Chemical Technology, Russia

16:30-17:10 In-person

POSTER PRESENTATIONS

PB001

Title: Synthesis of azole derivatives based on 1,2,3-dithiazoles with fungicidal activity
Elizaveta Bashkalova, Mendeleev University of Chemical Technology, Russia

PB002

Title: Developing an artificial intelligence model to eliminate unwanted pectoral muscle regions in mammography images used for breast cancer diagnosis
Yakup Arslan, Duzce University, Turkey

PB003

Title: Chemistry and biological activity of new hybrids of azoles and 1,3-dithiolanes
Gleb Markasov, Mendeleev University of Chemical Technology, Russia

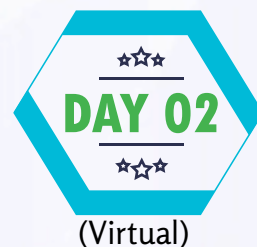
KEYNOTE PRESENTATIONS

17:10-17:50 In-person

Title: Terahertz Spectroscopy for NDT in Printed Electronics
Mariia Zhuldybina, ETS Higher Technology School, Canada

OCTOBER 25, 2024

Friday



(Virtual)

@ Zoom Meetings

Central European Summer Time (CEST)

08:00-09:00 AV check

09:00-10:00 Opening Ceremony and Introduction

Moderator

Sunita Bhagat, University of Delhi, India

CEST

Local Timings

KEYNOTE PRESENTATIONS

10:00-10:40 16:00-16:40 **Title:** π -Conjugated B/N-Doped luminescent materials with chiroptical properties and Open-Shell character

Panguan Chen, Beijing Institute of Technology, China

10:40-11:20 16:40-17:20 **Title:** High-efficiency and multifunctional controls of lights with gradient metasurfaces

Shulin Sun, Fudan University, China

ORAL PRESENTATIONS

11:20-11:40 17:20-17:40 **Title:** Advance of daytime working single photon lidar

Bo Liu, Institute of Optics and Electronics, China

11:40-12:00 12:40-13:00 **Title:** The use of Solid-Phase Synthesis in the Development of Thiol-containing Peptides and Peptide-Based Drugs

Spyridon Mourtas, University of Patras, Greece

12:00-12:20 12:00-12:20 **Title:** Repositioning of heterocyclic derivatives as Sirtuin 5 activators

Arianna Gelain, University of Milan, Italy

12:20-12:40 14:20-14:40 **Title:** Microplastics in drinking water and agricultural Soils: Assessing contamination sources, risks, and mitigation strategies

Sivamani Selvaraju, University of Technology and Applied Sciences, Oman

12:40-13:00 19:40-20:00 **Title:** Anti-biofilm coating with ionic liquids

Hideyuki Kanematsu, National Institute of Technology, Japan

13:00-13:20 06:00-06:20 **Title:** Development of GPR183 antagonists as non-opioid analgesics

Chris Arnatt, Saint Louis University, USA

POSTER PRESENTATIONS

13:20-13:30 12:20-12:30 **Title:** Heterocycle-containing Noyori-Ikariya catalysts in asymmetric transfer hydrogenation of ketones

Noha Khamis, Warwick University, UK

13:30-13:40 14:30-14:40 **Title:** Confocal analysis of some microencapsulated bioactive compounds from vegetables

Barbu Vasilica, University of Galati, Romania

13:40-13:50 13:40-13:50 **Title:** Design and synthesis of indole-pyrazole derivative with potential anticancer and antidiabetic activity

Senzekile Majolaa, Durban University of Technology, South Africa

Moderator

Noha Khamis, Warwick University, UK

ORAL PRESENTATIONS

- 13:50-14:10** **19:50-20:10** **Title:** Azodye photoaligned nanolayers for liquid crystal devices: physics and applications
Vladimir G Chigrinov, Hong Kong University of Science and Technology, Hong Kong
- 14:10-14:30** **17:40-18:00** **Title:** An Innovative approach towards the oral cavity
Rahul Hajare, Sandip University, India
- 14:30-14:50** **09:30-09:50** **Title:** Dry weight capacity of polymeric ion exchange membranes by conductometric titration
Maria Jose Lavorante, Institution of Scientific and Technological Research for Defense, Argentina
- 14:50-15:10** **18:20-18:40** **Title:** Performance of optical fiber communication link with optical soliton transmission
Deepak Kumar Singh, VBS Purvanchal University, India
- 15:10-15:30** **18:40-19:00** **Title:** Exploration of synthetic strategies and biological assessment: Unveiling the potential of some natural and marine natural compounds of medicinal interest
Sunita Bhagat, University of Delhi, India
- 15:30-15:50** **19:00-19:20** **Title:** Essential oils and fatty acids in healthcare
Vishal Ahuja, University Institute of Biotechnology, India
- 15:50-16:10** **08:50-09:10** **Title:** Maser-rays based on synchrotron radiation-total reflection X-ray fluorescence (SR-TXRF)
Orlando Elguera, National University of Engineering, Peru

POSTER PRESENTATIONS

- 16:10-16:20** **17:10-17:20** **Title:** Phototransformations of 3-Acyl-2-Hetarylchromones with Nitroxyl substituents
Vladimir Yarovenko, Zelinsky Institute of Organic Chemistry Russian Academy of Sciences, Russia
- 16:20-16:30** **22:20-22:30** **Title:** The NMR study of biologically active metallated alkanol ammonium ionic liquids
Vladimir Voronov, Irkutsk National Research Technical University, Russia

KEYNOTE PRESENTATIONS

- 16:30-17:10** **20:00-20:40** **Title:** Structural and Functional Characterization of CU₁ and NU₂ Phyto-drugs against Multi-Drug Resistant B
Asit Kumar Chakraborty, Vidyasagar University, India
- 17:10-17:50** **11:10-11:40** **Title:** Novel discoveries in the eicosanoids and other natural products
Cecil Pace Asciak, University of Toronto, Canada
- 17:50-18:30** **18:50-19:30** **Title:** New Effects in Resonant Light Scattering by Nanoobjects
Michael I Tribelsky, Lomonosov moscow state university, Russia
- 18:30-19:10** **19:30-20:10** **Title:** Colorimetric thin film humidity sensors – from material development to detection
Katerina Lazarova, Institute of Optical Materials and Technologies, Bulgaria
- 19:10-19:50** **13:10-13:50** **Title:** Organic nano medicine: Using artificial intelligence to develop improved biomaterials, sensors, and saving the environment
Thomas J Webster, Hebei University of Technology, USA
- 19:50-20:30** **20:50-21:30** **Title:** Memory characteristics and crystallographic aspects of reversibility in shape memory alloys
Osman Adiguzel, Firat University, Turkey
- 20:30-21:10** **20:30-21:10** **Title:** The EVA technology in Analytical Biochemistry
Piergiorgio Righetti, Polytechnic University of Milan, Italy
- 21:10-21:50** **20:10-20:50** **Title:** How minds with brains evolved from brainless synapse-ancestors
Aaron Sloman, University of Birmingham, UK

Upcoming Conferences

We wish to engage with you again in 2025...

2nd International Conference on Optics and Laser technology

October 22-23, 2025 | Osaka, Japan

<https://www.scitechseries.com/optics>

&

2nd World Congress on Organic Chemistry

August 04-05, 2025 | Boston, USA

<https://www.scitechseries.com/organic-chemistry>



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