



IX. International Symposium-2025

IX. International Symposium - 2025

on

**“Environmental Health &
Biosecurity: Sciences,
Engineering & Application”**

online

May 8th – 9th, 2025
Budapest – Hungary



IX. International Symposium-2025

Online

Scientific Program of the IX. International Symposium - 2025 on

**Environmental Health & Biosecurity:
Sciences, Engineering & Application**

May 8th – 9th, 2025

**Obuda University
Budapest - Hungary**



Attention:

- + The IX. Symposium-2025 will be held through **Microsoft Teams**.
- + To join the Symposium:
 - There is a short guide with useful information about how to use the Microsoft Teams during the Symposium:
<https://symposium.rkk.uni-obuda.hu/teams-how-to-guide/>
 - The participants will have the link of the Symposium.
 - The time of the Symposium is related to the **Hungarian time**, which is **CEST – Central European Summer Time** (UTC/GMT +2)
 - Please check the time with your time at home

Time of Presentations Online (Microsoft Teams)

Presentation Type:

Plenary speaker
 Featured speaker
 Poster

Total Allotted Time:

30 min
 15 min
 5 min

Please note that:

- + The time is very limited.
- + The official language of all the presentations including oral or poster speaker is **English**.

For Full paper:

The deadline to send the full paper is the end of May (31st of May 2025) in word document form.



IX. International Symposium-2025

Acknowledgement

We, the editor, would like to thank the members of the organizing, scientific, and administrative committees and all the supporting staff for giving this opportunity. We would also like to extend our sincere thanks to all the contributors and reviewers who have made this Program Book possible. We hope that the papers in this Proceedings Book will inspire further research and innovation in this important field.

Sincerely,

Editor

*Prof. Dr. Hosam Bayoumi Hamuda
President of ICEEE
Chairman of the Symposium
Obuda University
Budapest - Hungary
E-mail: bayoumi.hosam@uni-obuda.hu
WhatsApp/viber/messenger: +36303900813*



IX. International Symposium-2025

Organizers:

- *International Council of Environmental Engineering Education (ICEEE), Hungary*
- *Obuda University (OU), Hungary*
- *International Society of Waste Management, Air and Water (ISWMAW), India*
- *Green India Clean Environment Society (GICES), India*
- *Azerbaijan Technological University, Azerbaijan*
- *University of Coimbra, Coimbra, Portugal,*
- *Uzhhorod National University, Uzhhorod, Ukraine*
- *Rejto Sandor Faculty of Light Industry and Environmental Engineering (RKK), Hungary*
- *Hungarian Soil Science Society, Soil Biology Department (MTT, TB), Hungary*
- *Sunwo Plc, Energy Expert, Hungary*
- *Institute of Environmental Engineering and Natural Sciences (KTI), Hungary*



IX. International Symposium-2025

The Symposium is being carried out under the patronage of:

–*Prof. Dr. Levente KOVÁCS*

Rector, Obuda University

–*Dr. László KOLTAI*

Dean, Rejto Sandor Faculty of Light Industry &
Environmental Engineering

–*Dr. Rita BODÁNE-KENDROVICS*

Deputy Dean, Director, Institute of Environmental
Engineering & Natural Sciences

–*Dr. Edit CSANÁK*

Deputy Dean, Director of the Product Design Institute

–*Prof. Dr. Hosam BAYOUMI HAMUDA*

President, International Council of Environmental
Engineering Education
Chairman of the Symposium



Thursday - 8th of May, 2025

09:00 – 09:15

Opening Ceremony

Teams Join Link (please note, that the Opening Ceremony, the Plenary Session and Technical Session (B) will be held in the same Teams meeting):

https://teams.microsoft.com/l/meetup-join/19%3aKr3Dif8URi04VButDJu7VU_qH4avxxtczH1TB5FCplM1%40thread.tacv2/1746615083024?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d

Dr. László KOLTAI

*Dean, Rejto Sandor Faculty of Light Industry &
Environmental Engineering, Obuda University*

Dr. Rita BODÁNE-KENDROVICS

*Director, Institute of Environmental Engineering & Natural
Sciences, Obuda University*

Prof. Dr. Enikő MAIOR

Vice Rector for Education, Obuda University



09:15 – 11:45

Plenary Session

Teams Join Link (please note, that the Opening Ceremony, the Plenary Session and Technical Session (B) will be held in the same Teams meeting):

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Chair of the Session:

Hosam BAYOUMI HAMUDA, Ágnes BÁLINT

PL1 09:15 – 09:45

Ágnes BÁLINT

Institute of Environmental Engineering & Natural Sciences, Obuda University

MONITORING OF AIR DEPOSITION OF HEAVY METAL POLLUTION IN SOUTHWESTERN HUNGARY

PL2 09:45 – 10:15

Georgina TOTH-NAGY

University of Pannonia, Hungary

ESG IN CITIES: HOW TO RECOGNIZE AND AVOID GREENWASHING IN URBAN SUSTAINABILITY EFFORTS

PL3 10:15 – 10:45

Sudesh KUMAR

DESM, National Institute of Education, NCERT, New Delhi, India

INNOVATIVE PATHWAYS: ADVANCED TREATMENT METHODS FOR ENVIRONMENTAL RESTORATION



PL4 10:45 – 11:15

Rainiel BRYAN DOMASIAN

College of Teacher Education, Laguna State Polytechnic University Los Banos Campus, Los Baños, Laguna, Philippines

ASSESSMENT OF UTILIZED FOCUSED EDUCATIONAL APPROACHES TOWARDS ENHANCEMENT OF COMMUNITY KNOWLEDGE, ATTITUDES, AND PRACTICES IN SOLID WASTE MANAGEMENT

PL5 11:15 – 11:45

Abrar HUSSAIN

Third World Center for Science and Technology, HEJ Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Pakistan

ENVIRONMENTAL PREVALENCE OF THE GENUS ENTEROCOCCUS AND ITS PROBIOTIC POTENTIAL



SYMPOSIUM'S SESSIONS

- Session (A)
 - Healthcare: Risk & Management
- Session (B)
 - Soil Biology & Agricultural and Food Security, Ecosystems & Landscape Conservation
- Session (C)
 - Air, Water & Sediments Pollution and Waste Management
- Session (D)
 - Artificial intelligence, Bioinformatics, Circular Economy Strategy
- Session (E)
 - Energy Research & Applications



11:45 – 12:30

Launch Break

12:30 – 16:30

Technical Session B

Soil Biology & Agricultural and Food Security, Ecosystems & Landscape Conservation

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Chair of the Session: *J. Sándor ZSARNÓCZAI*

12:30 – 12:45

B.S. PANWAR¹, Soma DEHLAVI², Shabnam MORADI³

¹ Former Professor, CCS Haryana Agricultural University and President, Green India Clean Environment Society, Hisar, Haryana, India

² HSE, IMT Organization Sanandaj, Kurdistan, Iran,

³ Department of Agriculture, ARAK, Markazi Province Iran

VALUES OF TRADITIONAL AND SUSTAINABLE AGRICULTURE

12:45 – 13:00

Ahmed RAMDANI¹, Fouad MALEK²

¹ Laboratory of Applied Chemistry and Environment – ECOMP

² Faculty of Sciences, Mohammed First University, Bd Mohamed VI, BP 717 Oujda 60000, Morocco

SYNTHESIS AND CHARACTERIZATION OF PETRO AND BIO-BASED POLYURETHANE

13:00 – 13:15

Gagan PREET KOUR BALI ¹

¹ Department of Biosciences-UIBT, Chandigarh University, Gharuan, Mohali, Punjab

STRUCTURAL CHARACTERIZATION OF APPENDAGES OF DIFFERENT BEETLE SPECIES (INSECTA: COLEOPTERA) FROM MOHALI, PUNJAB, INDIA



13:15 – 13:30

Shivam JASROTIA¹

¹ Department of Biosciences, Chandigarh University, Bharat, India

BIOMANAGEMENT OF PLANT PARASITIC NEMATODE USING LEAF EXTRACT OF AZADIRACHTA INDICA

13:30 – 13:45

B.S. PANWAR¹, Soma DEHLAVI², Shabnam MORADI³

¹ Former Professor, CCS Haryana Agricultural University and President, Green India Clean Environment Society, Hisar, Haryana, India

² HSE, IMT Organization Sanandaj, Kurdistan, Iran,

³ Department of Agriculture, ARAK, Markazi Province Iran

VALUES OF TRADITIONAL AND SUSTAINABLE AGRICULTURE

13:45 – 14:00

Hfayeth HAYET¹, Bouazizi EMNA¹, Gharbi YAAKOUB¹, Triki MOHAMED ALI¹

¹ Laboratory of Olive Genetic Resources: characterization, valorization and phytosanitary protection, Olive Tree Institute, Tunisia

ANTAGONISTIC ACTIVITY OF BACTERIA FROM COMPOST EXTRACT AGAINST FUNGAL DISEASES

14:00 – 14:15

Yara EZAL DEEL SULTAN¹, Kanni RAJ ARUMUGAM PILLAI²

¹ Research Scholar, ² Professor, Department of Chemistry, Scholl of Sciences and Humanities

Vel Tech Rangaraja Dr.Sagunthala R&D Institute of Science and Technology, Chennai, India

MACHINE LEARNING AND DEEP LEARNING OF FOREST FIRES IN INDIA AND A COMPARISON TO THAT OF THE WORLD

14:15 – 14:30

Sana AHMED¹, Sufia ZAMAN, Abhijit MITRA

Department of Oceanography, Techno India University, West Bengal, EM 4/1 Salt Lake,

SOLUTIONS FOR A LOW-CARBON FUTURE LEADING TO CONSERVATION OF NATURAL RESOURCES



14:30 – 14:45

Hayet GHNIMI^{1,2}, Christine CHÈNÉ³, Romdhane KAROUI⁴, Monia ENNOURI^{2,5}

¹ Univ. Kairouan, Faculty of Sciences and Techniques of sidi bouzid, Tunisia

² Univ. Sfax, LR 16 IO 01, Olive Institute, 1087, 3000 Sfax, Tunisia

³ Adrianor, F-62217, Tilloy Les Mofflaines, France

⁴ Univ. Artois, Univ. Lille, Univ. Littoral Côte d'Opale, Univ. Picardie Jules Verne, Univ. de Liège, INRAE, Junia, UMR-T 1158, BioEcoAgro, F-62300 Lens, France

⁵ Univ. Monastir, Higher Institute of Applied Science and Technology of Mahdia, Tunisia

STUDY OF RAPESEED OIL LIPID OXIDATION BY CHEMICAL AND SPECTROSCOPIC TECHNIQUES

14:45 – 15:00

Sangeetha HANDU¹, A. SUDHAKAR²

¹ Researcher, CESS, Begumpet, Hyderabad, Telangana, India

² Professor of Commerce (Retired), Dr. B.R. Ambedkar Open University,

CHANGING CLIMATE PATTERNS AND ITS IMPACT ON AGRICULTURAL PRODUCTIVITY IN TELANGANA STATE, INDIA

15:00 – 15:15

Zakaria Fouad Fawzy¹, Shaymaa Ismail Shedeed²

¹ Professor, Vegetable Research Dept, Agricultural and Biological Research Institute, National Research Centre

² Professor, Plant Nutrition Dept, Agricultural and Biological

ARTIFICIAL INTELLIGENCE IN AGRICULTURE SECTOR

15:15 – 15:30

Akhmetova K. GALIYA¹, Kiyas A. ALDABERGEN¹, Sydykova KAMILYA², Soltabayev AIGERIM²

LLP A.I. Barayev "Research and Production Centre for Grain Farming¹" Shortandy, Kazakhstan, Nazarbayev University² Astana, Kazakhstan

EFFECTIVE TYPES OF FIELD CROP ROTATIONS ISOLATED WITH A VARIETY OF ENDOPHYTIC REPRESENTATIVES FROM THE ROOT MICROBIOME OF AGRICULTURAL CROPS IN NORTHERN KAZAKHSTAN



15:30 – 15:45

Aditya DATTA¹, Sufia ZAMAN², Abhijit MITRA³

Department of Oceanography, Techno India University, West Bengal, EM 4, Salt Lake Sector 5, Kolkata 700091, India

EVALUATING THE HEALTH STATUS OF LATES CALCARIFER THROUGH CONDITION INDEX: A STEP TOWARD ENSURING FOOD SECURITY

15:45 – 16:00

Pallavi DUTTA¹, Prosenjit PRAMANICK², Abhijit MITRA²

¹ Department of Zoology, Charuchandra college, University of Calcutta, Kolkata-700029, India

² Department of Oceanography, Techno India University, West Bengal, EM-4, Sector V, Salt Lake, Kolkata – 700091, India

BIOACCUMULATION OF TOXIC HEAVY METALS IN COMMONLY CONSUMED FISH SPECIES OF EAST KOLKATA WETLANDS: AN INSIGHT INTO THE FOOD SECURITY OF THE POPULATION OF THE MEGACITY OF KOLKATA, INDIA

16:00 – 16:15

J. SÁNDOR ZSARNÓCZAI¹, Bayoumi HAMUDA HOSAM

¹ Óbuda University, Rejtő Sándor Faculty of Light Industry and Environmental Engineering Institute of Environmental Engineering, Natural Sciences, Doberdó u. 6, H-1034 Budapest, Hungary

ECONOMIC AND ECOLOGICAL CONDITIONS OF IRAN IN 2010-2022

16:15 – 16:30

Zakaria FOUAD FAWZY¹, Shaymaa ISMAIL SHEDEED²

¹ Professor, Vegetable Research Dept, Agricultural and Biological Research Institute, National Research Centre

² Professor, Plant Nutrition Dept, Agricultural and Biological Research Institute, National Research Centre

APPLIED OF CLIMATE- SMART AGRICULTURE APPROACH FOR AGRICULTURAL SUSTAINABILITY



12:30 – 16:00

Technical Session C

Air, Water & Sediments Pollution and Waste Management

Teams Join Link:

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Chair of the Session: *Emőke IMRE*

12:30 – 12:45

Imane EL-BAGGAR¹, Jamila BAHHOU¹, Salma LATIQUE^{1,2}

¹ *Laboratory of Biotechnology, Conservation and Valorization of bioresources, Faculty of Sciences, Dhar El Mahraz, Sidi Mohamed Ben Abdellah University, Fez, Morocco.*

² *Laboratory of Drug Sciences, Faculty of Medicine, Pharmacy and Dentistry of Fez, Sidi Mohamed, Ben Abdellah University, Morocco,*

ISOLATION AND GROWTH KINETICS OF MICROALGAE FROM THE FEZ-MEKNES REGION OF MOROCCO

12:45 – 13:00

Smaïne CHELLAT, Assia NAIM, Yasmine BENDJEDI

Department of Laboratory of geology and environment, department of geological sciences, University Constantine1

METAL POLLUTION AND ENVIRONMENTAL DEGRADATION IN THE AZZABA REGION, ALGERIA

13:00 – 13:15

Rahul ISLAM, Sufia ZAMAN, Abhijit MITRA

Department of Oceanography, Techno India University, West Bengal, EM 4 Salt Lake, Sector V, Kolkata 700091, India

MICROBIAL LOAD IN CARP MUSCLE AND AMBIENT MEDIA OF EAST KOLKATA WETLANDS; AN EMERGING THREAT TO PUBLIC HEALTH



13:15 – 13:30

Agha KAMRAN KHANA, Muhammad AMIRA, Muhammad NOHAIL KHANA, Muhammad AHMED ABBASA, Farhatul AIN SIDDIQUI

Department of Biomedical Engineering, Ziauddin University, Pakistan

COMPARATIVE ANALYSIS OF ARSENIC-INDUCED ALTERATIONS IN LIVER AND BRAIN FUNCTION LINKING TOXICITY TO PHYSICAL PERFORMANCE DEFICITS IN MICE

13:30 – 13:45

Kamran JAFARPOUR GHALEHTEIMOURI^{1,2,3}

¹ *Environmental Resilience and Sustainability, Malaysia-Japan International of Technology, Universiti Teknologi Malaysia Kuala Lumpur, Jalan Sultan Yahya Petra, Kuala Lumpur.*

² *Disaster Preparedness & Prevention Centre, Malaysia-Japan International of Technology, Universiti Teknologi Malaysia Kuala Lumpur, Jalan Sultan Yahya Petra, Kuala Lumpur*

³ *Department of Geographical Sciences, Faculty of Geography and Urban planning, Kharazmi University, Human Sciences building 4th floor, Tehran, Iran postcode: 14911 – 15719*

ENHANCING URBAN GREEN INFRASTRUCTURE THROUGH ECOSYSTEM SERVICES POTENTIAL INDEX (ESPI) INTEGRATION FOR SCENARIO-BASED LAND TREND INDEX ASSESSMENT IN KUALA LUMPUR: A SATELLITE ANALYSIS

13:45 – 14:00

Ahmed SAMER TOUATI¹, Ammar MAOUI², Yassine GUEROUI³

^{1,3} *Department of Ecology and Environmental Engineering, University 8 May 1945 Guelma BP 12 Guelma 24000, Algeria*

² *Civil engineering and hydraulics laboratory (LCGH), University 8 Mai 1945 Guelma BP 401 Guelma 24000, Algeria*

CONTRIBUTION TO THE ASSESSMENT OF PHYSICOCHEMICAL AND MICROBIOLOGICAL POLLUTION LEVELS IN THE WATERS OF THE BOUHAMDANE SUB-BASIN - GUELMA - NORTHEASTERN ALGERIA

14:00 – 14:15

Georgina TÓTH-NAGY¹, Iskander BEN RJIBA², Viktor SEBESTYÉN³

^{1,2,3} *University of Pannonia, Faculty of Engineering, Sustainable Solutions Research Laboratory, Veszprém, Hungary*

CLIMATE ADAPTATION IN URBAN ENVIRONMENTS: PRACTICAL EXAMPLES AND LESSONS LEARNED



14:15 – 14:30

Cheriet MANEL

University frère Mentouri, Constantine 1 FSTGAT, Department of geological science, Algeria

POLLUTION OF RECEIVING ENVIRONMENTS BY DISCHARGES FROM OIL REFINING

14:30 – 14:45

Adhena AYALIEW WERKNEH^{1,2}, James HENSTOCK¹, Qiang WU¹, Ominika ZABIEGAJ¹

¹ Northumbria University Newcastle, NE1 8ST, Newcastle Upon Tyne, UK

² Mekelle University, Ethiopia, P.O. Box 1871, Mekelle, Ethiopia

TREATMENT WETLANDS FOR REMEDIATION OF FOREVER CHEMICALS: A NATURE-BASED APPROACH

14:45 – 15:00

Ishaq LUGOLOOBI¹

¹ University of Science and Technology of China (USTC), Hefei, Anhui, China

EXOGENOUS H₂S DONORS IN CHEMICAL AND BIOLOGICAL CO-EXISTENCE WITH FISH

15:00 – 15:15

Abbas ALI GHEZELSOFFLOO¹, Marzieh MOHAMMADY ARIA²

¹ Associate Professor, IAUM, Mashhad, Iran

² Isfahan University of Technology, Isfahan, Iran

CLIMATE AND ANTHROPOGENIC DRIVERS OF WATER QUALITY DEGRADATION IN THE SEMI-ARID RIVER SYSTEMS (A REAL CASE STUDY)

15:15 – 15:30

J. Sándor ZSARNÓCZAI¹, Krisztina DEMÉNY

Óbuda University, Rejtő Sándor Faculty of Light Industry and Environmental Engineering

Institute of Environmental Engineering, Natural Sciences, Hungary

SOME EXPERIENCES CONCERNING LOWER MISSISSIPPI RIVER VALLEY IN US



15:30 – 15:45

J. Sándor ZSARNÓCZAI¹, Csaba ÁGOSTON

*Óbuda University, Rejtő Sándor Faculty of Light Industry and Environmental Engineering
Institute of Environmental Engineering, Natural Sciences, Hungary*

**ECONOMIC AND ECOLOGICAL CONDITIONS CONCERNING SOME
EXPERIENCES OF UPPER MISSISSIPPI RIVER VALLEY IN US**

15:45 – 16:00

Sudesh KUMAR

National Council of Educational Research & Training, New Delhi, India

**ADVANCED TREATMENT PROCESSES FOR ENVIRONMENTAL
POLLUTION REMEDIATION**



Friday - 9th of May, 2025

09:00 – 10:00 Technical Session A

Healthcare: Risk & Management

Teams Join Link (please note, that the whole Friday event including Session A, D, E and Poster Session will be in the same Teams meeting):

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Chair of the Session: *Ágnes BÁLINT*

09:00 – 09:15

Sushma PAUDEL¹, Sushmita PAUDEL¹, Samikshya KAFLE¹

Himalayan WhiteHouse International College, Purbanchal University, Kathmandu, Nepal

A DERMATOGLYPHIC STUDY OF PRIMARY FINGERPRINTS PATTERN IN RELATION TO GENDER AND BLOOD GROUP AMONG RESIDENTS OF KATHMANDU VALLEY, NEPAL

09:15 – 09:30

Maru ZEWDU KASSIE¹, Haymanot BERELIE BEREHAN², Seyifemickael AMARE YILEMA³, Birhanie ADDIS AYELE⁴

¹ *Assosa University, Ethiopia*

² *Assosa Universit, Ethiopia*

³ *Debre Tabor Universit, Ethiopia*

⁴ *Gondar University, Ethiopia*

DETERMINANT FACTORS OF THE LONGITUDINAL PULSE PRESSURE AMONG HYPERTENSIVE PATIENTS TREATED AT ASSOSA GENERAL HOSPITAL, WESTERN ETHIOPIA



09:30 – 09:45

Bello OLUNIKE ADEDOYIN¹

¹ Department of Biology, Osun state college of education Ila-Orangun, Nigeria

**ENVIRONMENTAL HEALTH & BIOSECURITY: INTEGRATING
SCIENCE, ENGINEERING AND APPLICATION FOR A SAFER FUTURE**

09:45 – 10:00

Baljeet SINGH BALI¹

¹ Department of Anthropology, Government Degree College, Baramulla, -193103, Jammu and Kashmir, India.

**GROWTH TRENDS AMONG ADOLESCENT SHIN BOYS: AN ISOLATED
TRIBE OF GUREZ VALLEY, JAMMU AND KASHMIR, INDIA**

10:00 – 10:45

Technical Session D

***Artificial intelligence, Bioinformatics, Circular Economy
Strategy***

Teams Join Link (please note, that the whole Friday event including Session A, D, E and Poster Session will be in the same Teams meeting):

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Chair of the Session: *Ágnes BÁLINT*

10:00 – 10:15

Mamataben SONI¹, Subhash DESAI²

¹ Madhav University, Pindwara, Rajasthan, India

² Mentor, ShiyaniResearchInstitute, RAJKOT, Gujarat, India

**PHYSICS – DRIVEN COMPARATIVE ANALYSIS OF BARCODE, RFID
TAG AND QR CODE FOR IOT APPLICATIONS**



10:15 – 10:30

Anwar ROVIK¹, Dian ASTI UMAROH², Asrul FANANI^{4,5}, Raden AHMAD ZAINUL AZIZ³, Ayu RAHAYU⁶, Titik NURYASTUTI⁶

¹ Master Program of Biotechnology, The Graduate School of Universitas Gadjah Mada, Jl. Teknik Utara, Caturtunggal, Sleman 55281, DI Yogyakarta, Indonesia

² Faculty of Biology, Universitas Gadjah Mada, Jl. Teknik Selatan, Sekip Utara, Sleman 55281, DI Yogyakarta, Indonesia

³ Biology Study Program, Faculty of Mathematics and Natural Sciences, Universitas Negeri Surabaya, Jl. Ketintang, Surabaya 60231, Jawa Timur, Indonesia

⁴ Indonesia Research Institute for Bioinformatics and Biomolecular (INBIO), Malang, Indonesia

⁵ Department of Biochemistry, Faculty of Mathematics and Natural Sciences, Universitas IPB, Bogor 16680, Jawa Barat, Indonesia

⁶ Department of Microbiology, Faculty of Medicine, Public Health, and Nursing, Universitas Gadjah Mada, Jl. Farmako Utara, Sendowo, Sleman 55281, DI Yogyakarta, Indonesia

EPIGALLOCATECHIN-3-GALLATE DEMONSTRATES ENHANCED INHA BINDING AFFINITY OVER ISONIAZID: A COMPUTATIONAL APPROACH TO ANTI-TUBERCULOSIS DRUG DISCOVERY

10:30 – 10:45

Er-Rajy MOHAMMED¹

¹ LIMAS Laboratory Faculty of Sciences Dhar El Mahraz Sidi Mohamed Ben Abdellah University, Fez, Morocco

DESIGN OF NOVEL ANTI-CANCER DRUGS TARGETING TRKS INHIBITORS BASED 3D QSAR, MOLECULAR DOCKING AND MOLECULAR DYNAMICS SIMULATION



10:45 – 11:15

Technical Session E

Energy Research & Applications

Teams Join Link (please note, that the whole Friday event including Session A, D, E and Poster Session will be in the same Teams meeting):

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Chair of the Session: *Ágnes BÁLINT*

10:45 – 11:00

Cherkez RADION¹

¹ Yury Fedkovich Chernivtsi National University, Chernivtsi, Ukraine

POSSIBILITY FOR THERMOELECTRIC ELEMENTS WITH LATERAL HEAT EXCHANGES

11:00 – 11:15

Lilis SAFITRI¹

¹ Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

REVIEW OF RECENT PROGRESS DEVELOPMENT IN SUSTAINABLE COMPOSITE MATERIAL FOR WIND TURBINE BLADES

11:15 – 11:30

Emőke IMRE^{1,2}

¹ Óbuda University, HBM Research Centers, Budapest, Hungary

² Óbuda University, AIAM Doctoral School, Budapest, Hungary

SOME "MICRO-METEOROLOGY" FEATURES OF A TRUNCATED PYRAMID SHAPED MSW LANDFILL HILL



11:30 – 11:55

Poster Session

Teams Join Link (please note, that the whole Friday event including Session A, D, E and Poster Session will be in the same Teams meeting):

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Chair of the Session:

Edit PÜSKI

11:30 – 11:35

Hassina BOUGHERARA¹, Wassila CHEURFI¹, Rochdi GHALLAB², Brahim KEBABI¹

¹ Laboratory of Water Pollution and Treatment, Department of Chemistry, Faculty of Exact Sciences, Constantine 1-Frères Mentouri University, Constantine, Algeria

² National Polytechnic School of Constantine, Constantine, Algeria

ASSESSMENT OF HEAVY METALS IN SEWAGE SLUDGE FROM AÏN SFIHA WASTEWATER TREATMENT PLANT (SÉTIF, ALGERIA) USING X-RAY FLUORESCENCE ANALYSIS

11:35 – 11:40

Edit PÜSKI¹

¹ Alteredu Nonprofit Ltd., Sarkadkeresztúr, Hungary

INVOLVING STAKEHOLDERS IN SUSTAINABILITY EDUCATION

11:45 – 11:50

Osamah J. AL-SAREJI^{1,2,*}, Ruqayah ALI GRMASHA^{2,3}, Mónika MEICZINGER¹, Csilla STENGER-KOVÁCS^{3,4}

¹ Sustainability Solutions Research Lab, Faculty of Engineering, University of Pannonia, Egyetem str. 10, H-8200 Veszprém, Hungary

² Environmental Research and Studies Center, University of Babylon, Babylon, Al-Hillah 51001, Iraq

³ Research Group of Limnology, Center for Natural Science, Faculty of Engineering, University of Pannonia, Egyetem u. 10, H-8200 Veszprém, Hungary

⁴ HUN-REN-PE Limnoecology Research Group, Egyetem Utca 10, 8200, Veszprém, Hungary

ENGINEERED ACTIVATED CARBON FROM AGRO-RESIDUES FOR THE ADSORPTIVE REMOVAL OF PAHS AND PHACS



11:50 – 11:55

Adebayo-ADEWUNMI, Raimot ADEJUMOKE

*Department of Biology Education, School of Science Education,
Federal College of Education (Technical) Akoka-Yaba, Lagos – State, Nigeria*

**THE PHYSICO CHEMICAL PROPERTIES OF WATER AND SEDIMENT
OF AQUATIC FUNGI DETECTION IN LAGOS LAGOON**

11:55 – 12:00

**Mohamed SABRI BENSAAD¹, Necer ABDEL DJABAR¹, Mohamed AMINE
KAHOUL²**

¹ Faculty of Natural and Life Sciences, University Batna 2, Fesdis, Batna 05078, Algeria

*² Laboratory of Food Sciences (LSA), Institute of Veterinary Sciences and Agronomic
Sciences, University Batna 1, Batna 05000, Algeria*

**MOLECULAR BINDING SIMULATION OF KEY SYNTHETIC
COMPOUNDS AGAINST PACIFIC OYSTER ESTROGEN RECEPTOR AS
A NEW PERSPECTIVE TO CONTROL THE REPRODUCTION CYCLE OF
MAGALLANA GIGAS**

12:00 – 12:05

Er-Rajy MOHAMMED¹

*LIMAS Laboratory Faculty of Sciences Dhar El Mahraz Sidi Mohamed Ben Abdellah
University, Fez, Morocco*

**DESIGN OF NOVEL ANTI-CANCER DRUGS TARGETING TRKS
INHIBITORS BASED 3D QSAR, MOLECULAR DOCKING AND
MOLECULAR DYNAMICS SIMULATION**

12:05 – 12:10

**Narimane MARWA BOUKEZZOULA^{1,2}, Mehdi BOUTEBDJA¹, Ahlem
LINDA BOULKEDID¹, Tim GRUENE²**

*¹ Unité de Recherche de Chimie de l'Environnement et Moléculaire Structurale
(CHEMS), Département de chimie, Université frère Mentouri Constantine 1, Algérie.*

*² Core Facility Crystal Structure Analysis, Faculty of Chemistry, University of Vienna,
Austria*

**A HIRSHFELD SURFACE ANALYSIS, CRYSTAL STRUCTURE AND
PHYSICOCHEMICAL CHARACTERIZATION OF ZINC-SCHIFF BASE
COMPLEX**



12:10

Closing the Symposium

Ágnes BÁLINT

Obuda University, Sándor Rejtő Faculty of Light Industry and Environmental Engineering, Institute of Environmental Engineering and Natural Sciences