



**Scientific Program of  
The 15<sup>th</sup> ICEEE-2024  
Online International Annual  
Conference**

**November 21 - 22, 2024**  
Host Place: Obuda University,  
Budapest – Hungary

Theme:  
**“Global Environmental  
Development & Sustainability:  
Research, Engineering &  
Management”**  
with Workshop Special Session:  
**Environmental Health and  
Climatic Change**



*It is an honour and a pleasure to invite you to  
participate on the*

**15<sup>th</sup> ICEEE-2024 Online International Annual  
Conference**

*November 21 - 22, 2024*

*Host Place: Obuda University, Budapest – Hungary*

**Theme:**

**“Global Environmental Development &  
Sustainability: Research, Engineering &  
Management”**

**with Workshop Special Session:**

***Environmental Health and Climatic Change***



## Attention:

- ✚ The 15<sup>th</sup> ICEEE-2024 will be held through **Microsoft Teams**.
- ✚ To join the Conference:
  - There is a short guide with useful information about how to use the Microsoft Teams during the Conference
  - The participants will have the link of the Conference.
  - The time of the Conference is related to the **Hungarian time**.
- ✚ Please check the time with your time at home

### Time of Presentations Online (Microsoft Teams)

#### Presentation Type:

- Plenary speaker
- Keynote speaker
- Featured speaker
- Poster

#### Total Allotted Time:

- 25 min
- 20 min
- 10 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 December (30<sup>th</sup> of December 2024) in word document form.**



## **Acknowledgement**

*We, the president of ICEEE and the chairman of the Conference, 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 Program Book will inspire further research and innovation in this important field.*

*Sincerely,*

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



## *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 Section (MTT, TB), Hungary*
- *Sunwo Plc, Energy Expert, Hungary*
- *Institute of Environmental Engineering and Natural Sciences (KTI), Hungary*



**The Conference is carrying 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 Conference



15<sup>th</sup> ICEEE-2024

## **Program of 21<sup>st</sup> of November 2024 (Thursday)**

### ***Opening Ceremony***

**09:00 a.m. – 09:30 a.m.**

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_YmZjYzQwNDktMTk2MS00YjhiLThmOTUtNGRIMzOyOWO5YWQ2%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmZjYzQwNDktMTk2MS00YjhiLThmOTUtNGRIMzOyOWO5YWQ2%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

***Prof. Dr. Hosam BAYOUMI HAMUDA***

*President, International Council of Environmental  
Engineering Education*

*Chairman of the Conference*

***Dr. Viktória SUGÁR***

*Vice Rector for Sustainability and Priority Developments at  
Obuda University*

***Dr. Ragif HUSEYNOV***

*Vice Rector for Academic Affairs at Azerbaijan  
Technological University*

***Dr. László KOLTAI***

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

***Dr. Rita BODÁNÉ-KENDROVICS***

*Director, Institute of Environmental Engineering & Natural  
Sciences*



15<sup>th</sup> ICEEE-2024

# Plenary Session

**Chair of the Session:** *Hosam BAYOUMI HAMUDA*

*In the same Teams meeting as the Opening ceremony:*

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_YmZjYzOwNDktMTk2MS00YjhiLThmOTUtNGRlMzOyOWO5YWQ2%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmZjYzOwNDktMTk2MS00YjhiLThmOTUtNGRlMzOyOWO5YWQ2%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**PL1 09:30 – 10:00**

**B.S. PANWAR<sup>1</sup>, Olha. A. KHLIESTOVA<sup>2</sup>, Katarzyna Ewa BUCZKOWSKA<sup>3</sup>, Mariya KHMELYARCHUK<sup>4</sup>, Valentina ANUFRIYEVA<sup>5</sup>, S. Kh. YAKUBOV<sup>6</sup>, Hosam. E.A.F. BAYOUMI HAMUDA<sup>7</sup>**

<sup>1</sup>Green India Clean Environment Society (GICES) Hisar, Haryana, India

<sup>2</sup>Department of Material Science, Faculty of Mechanical Engineering, Technical University of Liberec, Liberec, Czech Republic. Department of Primary Science Institute of Modern Technologies, Pryazovskyi State Technical University, Dnipro, Ukraine.

<sup>3</sup>Department of Material Science, Faculty of Mechanical Engineering, Technical University of Liberec, Liberec, Czech Republic, Department of Materials Technology and Production Systems, Faculty of Mechanical Engineering Lodz University of Technology, Poland.

<sup>4</sup>Department of Digital and International Economics -Ivan Franko National University of Lviv Ukraine

<sup>5</sup>Health care management education coordinator, Ukrainian-Swiss Project "Medical Education Development" (MED), Kyiv, Ukraine

<sup>6</sup>Institute of Military Aviation of the Republic of Uzbekistan, Karshi, Uzbekistan

<sup>7</sup>Obuda University, Rejto Sandor Faculty of Light Industry and Environmental Engineering, Institute of Environmental Engineering and Natural Sciences, Budapest, Hungary

**SMOKE POLLUTION: THE CITY IN GAS CHAMBER??**





***PL2 10:00 – 10:30***

**Ratnesh DAS**

Dr. Harisingh Gour Central University, Sagar, India

**NANO (MATERIALS, TECHNOLOGY, MEDICINE) AND HUMAN HEALTH**

***PL3 10:30 – 11:00***

**GIUSEPPE CIABURRO**

Faculty of Engineering and Informatics, Pegaso University, Naples, Italy

**SUSTAINABLE ACOUSTIC METAMATERIALS: TUNABLE SOUND ABSORPTION USING CORK MEMBRANES AND HONEYCOMB STRUCTURES**

***PL4 11:00 – 11:30***

**LYUDMYLA SYMOCHKO<sup>1,2</sup>**

<sup>1</sup>University of Coimbra, Coimbra, Portugal,

<sup>2</sup>Institute of Agroecology and Environmental Management, National Academy of Agrarian Sciences of Ukraine, Kyiv, Ukraine

**ESKAPE PATHOGENS IN THE ENVIRONMENT AND ONE-HEALTH CONCEPT**

***PL5 11:30 – 12:00***

**Zakaria Fouad FAWZY, Shaymaa Ismaeel SHEDEED**

Agricultural and Biological Research Institute, National Research Centre, Egypt

**CLIMATE SMART AGRICULTURE APPROACH FOR AGRICULTURAL SUSTAINABILITY UNDER CLIMATE CHANGE**



***PL6 12:00 – 12:30***

**Gábor KERTÉSZ**

International Business School, Budapest, Hungary

**ENSURING LONG-TERM HUMAN RESOURCES IN THE  
21TH CENTURY WHILE UPLOADING HUMAN RIGHTS  
STANDARDS**

***PL6 12:30 – 13:00***

**Amina MELIANI**

Department of Biology, FSNV. University of Mustapha Stambouli,  
Mascara, Algeria

**HOW THE DEVELOPMENT OF BIOFILMS ON  
HOSPITAL SURFACES HAS CATALYZED THE SEARCH  
FOR NEW TECHNOLOGIES**



15<sup>th</sup> ICEEE-2024

# Technical Sessions



15<sup>th</sup> ICEEE-2024

# A. Sustainable Development & Environmental Protection

**Session (A1) 13:30 – 15:00**

**Chair of the Session: Sándor J. ZSARNÓCZAI**

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ZTVjNTc0YjEtMzMyMS00N2I3LThiMDMtYzgyNTU5ZjI1NDBm%40thead.v2/0?context=%7b%22tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZTVjNTc0YjEtMzMyMS00N2I3LThiMDMtYzgyNTU5ZjI1NDBm%40thead.v2/0?context=%7b%22tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**Surendra Kumar YADAV**

Project Director (Environmental Conservation), SEHAT India, New Delhi, India

**FOREST MANAGEMENT USING SPATIAL TECHNOLOGY TOWARDS SUSTAINABLE APPROACH: A CASE STUDY OF SIRSIYA BLOCK (SHRAVASTI DISTRICT, UP, INDIA)**

**Nitesh SINGH, Renuka SHARMA**

SGT University, Gurugram, Haryana, India

**WILD EDIBLE PLANTS: A SUSTAINABLE SOLUTION FOR MEETING THE NEEDS OF FUTURE GENERATIONS**

**Abbas Ali GHEZELSOFLOO**

Civil Engineering Department, The Islamic Azad University of Mashhad, Mashhad, Iran

**FROM DEGRADATION TO RESTORATION: REVITALIZING THE KASHAF-ROUD RIVER ECOSYSTEM**

**Neha Singh RAGHUVANSHI, Arpita JOHRI, Mudit SAXENA**

ABES Engineering College, Ghaziabad, Uttar Pradesh, India

**SUSTAINABLE TRANSPORTATION AND GREEN INFRASTRUCTURE**



**Rahat SIRAJ**

Department of Zoology, Hazara University, Sub Campus Battagram,  
Pakistan

**A STUDY ON DIVERSITY OF ANTS (HYMENOPTERA:  
FORMICIDAE) IN DISTRICT BATTAGRAM KP, PAKISTAN**

**Warda HUSSAINI**

Department of Public Administration, University of Karachi,  
Pakistan

**GLOBAL ENVIRONMENTAL DEVELOPMENT AND  
SUSTAINABILITY: ROLE OF DEVELOPING COUNTRIES”**

**Arvind BHATT**

Tree Global, Riyadh, Saudi Arabia

**ADAPTABLE GERMINATION STRATEGIES FOR THE  
RESTORATION OF THE ARABIAN DESERT: HARNESSING  
NATIVE SPECIES FOR ECOSYSTEM RESILIENCE**

**Medani BHANDARI**

Akamai University, Hilo, Hawaii, USA

**WHY IT IS HARD TO ACHIEVE SUSTAINABILITY AND  
MEASURES TO ACCELERATE SDG ACHIEVEMENTS**

**B. NDEH<sup>1</sup>, S. O. OSHUNSANYA<sup>1</sup>, B. OLASANMI<sup>2</sup>, A. M.  
ODEBODE<sup>1</sup>**

<sup>1</sup>Department of Soil Resource Management. University of Ibadan,  
Nigeria

<sup>2</sup>Department of Crop and Horticultural Sciences, University of  
Ibadan, Nigeria

**CASSAVA (*Manihot esculenta* Crantz) GENOTYPE EFFECT ON  
SOIL LOSS DUE TO CROP HARVESTING**



## **Session (A2)                      13:30 – 15:00**

**Chair of the Session:                      Hosam BAYOUMI HAMUDA**

*In the same Teams meeting as the Plenary Session:*

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_YmZjYzOwNDktMTk2MS00YjhiLThmOTUtNGRIMzOyOWO5YWQ2%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmZjYzOwNDktMTk2MS00YjhiLThmOTUtNGRIMzOyOWO5YWQ2%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**Vijaya Kittu MANDA<sup>1</sup>, Mallikharjuna Rao JITTA<sup>2</sup>**

<sup>1</sup>PBMEIT, Visakhapatnam, India

<sup>2</sup>GITAM (Deemed to be University), Visakhapatnam, India

**RESEARCH THEMES ON GREEN INFRASTRUCTURE FOR SMART CITIES**

**Rajnish YADAV, Shweta ANAND, Kavita SINGH**

School of Management, Gautam Buddha University, Uttar Pradesh

**HOW NET ENERGY IMPORTS, ENERGY INTENSITY & CARBON INTENSITY SHAPING ENERGY INTENSITY OF PRIMARY ENERGY: STUDY OF BRICS NATIONS**

**Bhanu Singh PANWAR<sup>1</sup>, Mariya KHMELYARCHUK<sup>2</sup>, Andrew PAVLYSHYN<sup>3</sup>**

<sup>1</sup>Green India clean Environment Society, Hisar, Haryana, India

<sup>2</sup>Ivan Franko National University of Lviv, Lviv, Ukraine, Poznan University of Technology, Poznan, Poland

<sup>3</sup>Ivan Franko National University of Lviv, Lviv, Ukraine

**SOIL SICKNESS: BIOSPHERE UNDER THE FUMES OF WAR?**



15<sup>th</sup> ICEEE-2024

**Odunayo James ROTOWA, Stanisław MAŁEK**

Department of Ecology and Silviculture, Faculty of Forestry,  
University of Agriculture in Kraków. Kraków, Poland

**SUSTAINABLE ALTERNATIVES TO PEAT IN FOREST  
NURSERIES: IMPACTS ON GROWTH AND ROOT  
MORPHOLOGY OF FAGUS SYLVATICA AND QUERCUS ROBUR  
SEEDLINGS**

**Kokob Teshome WONDIMU<sup>1</sup>, Abiyot Kelecha GELETU<sup>2</sup>**

<sup>1</sup>Department of Chemistry, College of Natural and Computational  
Sciences, Mattu University Bedele Campus, Bedele, Ethiopia

<sup>2</sup>Department of Chemistry, College of Natural and Computational  
Sciences, Mattu University, Mattu, Ethiopia

**ANALYSIS OF SELECTED PESTICIDE RESIDUES IN  
COMMERCIAL TOMATO FRUITS**

**Ikram KHABACH<sup>1,2</sup>, Taha ELASSIMI<sup>2,3</sup>, Jamal ARBOUI<sup>1</sup>, Mounir  
KRIRAA<sup>1</sup>**

<sup>1</sup>LMPEQ Safi, Morocco

<sup>2</sup>IMED-LAB Marrakech, Morocco

<sup>3</sup>UM6P Ben guérir, Morocco

**SUSTAINABLE INSULATION SOLUTIONS: UTILIZING ÓET  
BOTTLE WASTE IN COMPOSITE MATERIALS**

**Olunike Adedoyin BELLO**

Osun State College of Education, Ila Orangun, Osun State, Nigeria  
**ETHNOBOTANICAL INVENTORY OF ERIN IJESA WATERFALL  
TOURISTS' CENTRE, OSUN STATE, NIGERIA: A SURE WAY TO  
CREATIVE EDUCATION**



**Dharmishtha TOLAMBIA, Dinesh PATIDAR**

Department of Physics, Mohanlal Sukhadia University, Udaipur,  
Rajasthan, India

**HYDROTHERMAL SYNTHESIZED CTS NANOMATERIAL FOR  
PHOTOCATALYTIC DYE DEGRADATION OF METHYLENE  
BLUE**

**M. FARHAOUI, C. SLIMANI**

Law School, Sidi Mohamed Ben Abdellah University, ESSOR Lab, Fes,  
Morocco

**REFLECTING SUSTAINABILITY IN REAL ESTATE VALUATION**

**Suhail BASHIR**

ENS ENVIRONMENTAL CONSULTANCY, India  
**ENVIRONMENTAL IMPACT ASSESSMENT AND  
SUSTAINABILITY**





## Session (A<sub>3</sub>) 15:00 – 16:50

**Chair of the Session:** Ágnes Bálint

*In the same Teams meeting as Session (A1):*

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ZTVjNTc0YjEtMzMzMjMS00N2I3LThiMDMtYzgyNTU5ZjI1NDNm%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZTVjNTc0YjEtMzMzMjMS00N2I3LThiMDMtYzgyNTU5ZjI1NDNm%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**Sándor J. ZSARNÓCZAI**

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

**AGRICULTURAL AND FOOD PRODUCTION IN INDIA BETWEEN 2020-2022**

**Rita Bodáné KENDROVICS, Sándor J. ZSARNÓCZAI**

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

**ECONOMIC DEVELOPMENT IN TURKEY BETWEEN 2010-2020**

**Abire Huluka Abire HULUKA**

Mattu University, Mattu, Ethiopia

**ASSESSMENT OF NATURAL RADIOACTIVITY LEVELS AND RADIOLOGICAL HAZARD IN SOIL SAMPLES: IN CASE OF BURE AND BURRUSA MATTU UNIVERSITY AGRICULTURAL PROJECTS**



15<sup>th</sup> ICEEE-2024

**Timea VERES<sup>1</sup>, Júlia TOBAK<sup>2</sup>, Georgina TÓTH-NAGY<sup>3</sup>**

<sup>1</sup>University of Pannonia, Faculty of Economics, Department of Accounting and Finance Institute, Veszprém, Hungary

<sup>2</sup>University of Pannonia, Faculty of Economics, Institute of Management, Veszprém, Hungary

<sup>3</sup>University of Pannonia, Faculty of Engineering, Sustainable Solutions Research Laboratory, Veszprém, Hungary

**THE FINE LINE BETWEEN TRANSPARENCY AND GREENWASHING: NAVIGATING ESG REPORTING**

**Richard KOUKOU<sup>1</sup>, Léocadie ODOULAMI<sup>2</sup>**

<sup>1</sup>Departement de Géographie et Aménagement de Territoire, Faculté des Sciences Humaines et Sociales, Université d'Abomey-Calavi

<sup>2</sup>Laboratoire Pierre PAGNEY, Climat, Eau, Ecosystème et Développement, Université d'Abomey-Calavi, Cotonou, République du Bénin

**SOCIO ENVIRONMENTAL EFFECTS OF MANAGEMENT METHODS FOR RAINWATER DRAINAGE INFRASTRUCTURE IN THE 6TH DISTRICT OF THE CITY OF COTONOU IN BENIN**

**Imane EL-BAGGAR<sup>1</sup>, Mohammed ALAOUI MHAMDI<sup>1</sup>, Jamila BAHHOUI<sup>1</sup>, Salma LATIQUE<sup>1,2</sup>**

<sup>1</sup>Laboratory of Biotechnology, Conservation and Valorization of Natural Resources, Faculty of Sciences Dhar El Mahraz, Sidi Mohamed Ben Abdellah University, Fez, Morocco

<sup>2</sup>Biomedical and Translational Research Laboratory, Faculty of Medicine, Pharmacy and Dentistry of Fez, Sidi Mohamed Ben Abdellah University, Morocco

**GROWTH KINETICS OF 3 STRAINS OF MICROALGAE ISOLATED FROM FRESHWATER ECOSYSTEMS IN MOROCCO: THE FES-MEKNES REGION**



**Karyna ANAPRIIUK, Larysa ANTONIUK**

Kyiv National Economic University, Kyiv, Ukraine

**REALIZATION OF THE INNOVATIVE POTENTIAL OF THE EU  
SPACE SOLAR ENERGY SECTOR IN THE CONTEXT OF  
SUSTAINABLE DEVELOPMENT**

**Tarek DRIAS<sup>1</sup>, Moufida BELLOULA<sup>2</sup>, Abdelmajid BOUFEKKANE**

<sup>1</sup>Laboratory of Mobilization and Water Resource Management.

University of Batna 2. Algeria

<sup>2</sup>Laboratory of Natural Risks and Territory Development. University  
of Batna 2. Algeria

<sup>3</sup>FSTGAT. USTHB University, beb Azouar Algiers, Algeria

**A GIS-BASED DRASTIC MODEL FOR ASSESSING AQUIFER  
VULNERABILITY. CASE STUDY OF TEBESSA PLAIN - (NORTH-  
EASTERN ALGERIA)**

**Lateefat Adeola BELLO**

Ahmadu Bello University Zaria, Nigeria

**GREEN FINANCING AND POLICY SUPPORT FOR SUSTAINABLE  
TOURISM INITIATIVES**

**DAWIT WAMI NEGERA**

Mechanical Engineering Department, College of Engineering, Assosa  
University, Assosa, Ethiopia

**FABRICATION OF VEHICLE INTERIOR PARTS FROM NATURAL  
FIBERS**

**M. FARHAOUI, C. SLIMANI**

Law School, Sidi Mohamed Ben Abdellah University, ESSOR Lab, Fes,  
Morocco

**REFLECTING SUSTAINABILITY IN REAL ESTATE VALUATION**



15<sup>th</sup> ICEEE-2024

# A. Healthcare & Public Health Sustainability: Risk & Management

Session (B1)

13:30 – 15:00

Chair of the Session: **Salma LATIQUE**

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_NGU3NjI0MjctODZjMC00OTY5LTkwYzAtY2I3ZThiOTBjNjk1%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NGU3NjI0MjctODZjMC00OTY5LTkwYzAtY2I3ZThiOTBjNjk1%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**Abrar HUSSAIN**

International Center for Chemical and Biological Science, University of Karachi, Karachi, Pakistan

**PATHOGENESIS AND EFFECT OF HOUSEHOLD MICROORGANISMS ON THE RESIDENTS**

**Ayan CHATTERJEE**

School of Health Science and Technology, Medhavi Skills University, Sikkim, India

**IMPACT OF CLIMATE CHANGE ON HUMAN PERFORMAVE**

**Surendra Kumar YADAV**

Environmental Conservation Project, SEHAT India, New Delhi, India

**PLASTIC POLLUTION IMPACTING ECOSYSTEM HEALTH: MAJOR THREAT IN DEVELOPING COUNTRIES LIKE INDIA**



15<sup>th</sup> ICEEE-2024

### **Titanilla EIDEH**

Integral and Holistic HealthCreator, Member of the German Biochemic Association Budapest, Hungary

### **WHAT IS THE CONNECTION BETWEEN THE MAGICAL PERIODIC SYSTEM AND DR.W. SCHUESSLER BIOCHEMIC CELL SALTS?**

**Azam ABOLHASANI<sup>1</sup>, Valentina ANUFRIYEVA<sup>2</sup>, B. S PANWAR<sup>3</sup>**

<sup>1</sup>Natural resources, University of Tehran, Iran

<sup>2</sup>Health care management education coordinator, Ukrainian Swiss Project "Medical Education Development", Kyiv, Ukraine

<sup>3</sup>Green India Clean Environment Society, Hisar, Haryana, India

### **HEAVY METALS, AND HUMAN HEALTH: THE DEATH ALARM**

### **Oleksandr PYVOVAROV**

Kharkiv National Medical University, Kharkiv, Ukraine

### **SUSTAINABLE DEVELOPMENT GOALS AND EDUCATION**

### **Titanilla EIDEH**

Integral and Holistic HealthCreator, Member of the German Biochemic Association Budapest, Hungary

### **WHY IS ESSENTIAL THE INTAKE OF CELL SALTS IN OUR INDUSTRIAL WORLD? STUDY CASES OF HEALTHCARE WITH SCHUESSLER CELL SALTS**

**Misrak Gebremariam ABERA, Adhena Ayaliew WERKNEH, Reda Shamie WELDE, Aminul ISLAM, Gebru Hailu REDAE**

Mekelle University, Ethiopia

Northumbria University Newcastle, United Kingdom

### **ASSESSING THE ROLE OF WATER, SANITATION, AND HYGIENE (WASH) FACTORS IN THE HIGH PREVALENCE OF DIARRHEA AMONG INTERNALLY DISPLACED CHILDREN UNDER FIVE IN NORTHERN ETHIOPIA**



**Miranda IMERI**

University of Florida, Gainesville, Florida, USA

**ECOLOGICAL DYNAMICS OF TICK-HOST INTERCATIONS AND  
TICK BORNE DISEASE RISKS IN URBAN COYOTE HABITATS**



15<sup>th</sup> ICEEE-2024

## Session (B2) 15:00 – 16:00

Chair of the Session: Ayan CHATTERJEE

*In the same Teams meeting as Session (B1):*

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_NGU3NjI0MjctODZjMC00OTY5LTkwYzAtY2I3ZThiOTBjNjk1%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NGU3NjI0MjctODZjMC00OTY5LTkwYzAtY2I3ZThiOTBjNjk1%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**Maru Zewdu KASSIE<sup>1</sup>, Seyfemichael Amare YILMA<sup>2</sup>**

<sup>1</sup>Assosa University, Assosa; Ethiopia

<sup>2</sup>University of Pretoria, Pretoria; South Africa

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

**Samuel Alemu BAMBORO**

Arba Minch University, Arba Minch, Ethiopia

**PREVALENCE OF STUNTING AND ASSOCIATED FACTORS AMONG CHILDREN AGED 6-59 MONTHS IN DROUGHT-AFFECTED PASTORALIST'S COMMUNITY IN TELTELE WOREDA BORANA ZONE OROMIA REGIONAL STATE ETHIOPIA: COMMUNITY-BASED CROSS-SECTIONAL STUDY**

**Avni DAHIYA<sup>1</sup>, Namita SINGH<sup>2</sup>, Suman SANGWAN<sup>3</sup>, Adhisha DAHIYA<sup>2</sup>, Subhash KAJLA<sup>4</sup>**

<sup>1</sup>Crop Improvement Division, ICAR-CSSRI, Karnal, India,

<sup>2</sup>Lab No. 202 Dept. of Biotechnology, GJUS&T, Hisar, India,

<sup>3</sup>Animal Physiology Division, ICAR-CIRB, Hisar, India,

<sup>4</sup>Department of Botany and Plant Physiology CCSHAU Hisar, India

**IN SILICO MULTITARGET SCREENING OF BACOPASIDE I FROM BACOPA MONNIERI FOR ANTIDIABETIC THERAPEUTIC POTENTIAL**



15<sup>th</sup> ICEEE-2024

**Salma LATIQUE<sup>1,2</sup>, Imane EL-BAGGAR<sup>3</sup>; Karima SELMAOUI<sup>2</sup>,  
Allal DOUIRA<sup>2</sup>**

<sup>1</sup>Biomedical and Translational Research Laboratory, Faculty of  
Medicine, Pharmacy and Dentistry of Fez, Sidi Mohamed Ben  
Abdellah University, Morocco

<sup>2</sup>Laboratory of Plant Productions, Animals and Agro-industry,  
Botanical Team, Biotechnology and Plant Protection, Department of  
Biology, Faculty of Sciences, Ibn Tofail University, Morocco

<sup>3</sup>Laboratory of Biotechnology, Conservation and Valorization of  
Natural Resources, Faculty of Sciences Dhar El Mahraz, Sidi  
Mohamed Ben Abdellah University, Fez, Morocco

**SUSTAINABLE SOURCE OF MOLECULE FARMING:  
MICROALGAE – PROGRESS AND PROSPECTS IN  
AGRICULTURE AND PHARMACEUTICAL APPLICATIONS**

**Maru Zewdu KASSIE**

Assosa University, Assosa, Ethiopia

**DETERMINANTS OF PREGNANCY COMPLICATIONS AMONG  
THE WOMEN RECEIVING ANTENATAL CARE IN ETHIOPIA: A  
MULTI-LEVEL MIXED EFFECTS SPATIAL ANALYSIS**

**Saima SALEEM, Mutaher ZIA, Farhatulain SIDDIQUI, Maham  
GHOURI, Ume KULSOOM, Sidra KAWAL, Fatima SEHRISH,  
Zehra SITWAT**

Ziauddin University, Faculty of Engineering, Science, Technology  
and Management, Department of Biomedical Engineering, Karachi,  
Pakistan,

**HYPERFUNCTION VARIANT RS708035 OF INTERLEUKIN 1  
RECEPTOR-ASSOCIATED KINASES 2 GENE INVOLVED IN THE  
PREDISPOSITION OF LEPROSY INFECTION**





15<sup>th</sup> ICEEE-2024

# A. Soil Biology & Agricultural Sustainability

Session (C1)

13:30 – 15:10

Chair of the Session:

**Bhanu Singh PANWAR**

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ZTMyZWZmNWItYjZmNy00YTgwLTk4ZjctM2Q0ZDFkNmQ1MTVi%40thread.v2/0?context=%7b%22tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZTMyZWZmNWItYjZmNy00YTgwLTk4ZjctM2Q0ZDFkNmQ1MTVi%40thread.v2/0?context=%7b%22tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

[read.v2/0?context=%7b%22tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZTMyZWZmNWItYjZmNy00YTgwLTk4ZjctM2Q0ZDFkNmQ1MTVi%40thread.v2/0?context=%7b%22tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**Vinod Kumar<sup>1,2</sup>, Ritui, Sonu Maan<sup>1</sup>, Kajal Kumari<sup>1</sup>, Sunil<sup>1</sup>, Sushil Nagar<sup>1</sup>, Punesh Sangwan<sup>1</sup>, Neeraj Kharor<sup>1</sup>**

<sup>1</sup>Department of Biochemistry, CCS Haryana Agricultural University, Hisar, Haryana, India-125004

<sup>2</sup>Division of Biochemistry, Faculty of Basic Sciences, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Chatha, UT of J&K, India

**IRON DEFICIENCY INDUCED PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES IN PEARL MILLET**

**Angel ALIZADEH<sup>1</sup>, Bhanu Singh PANWAR<sup>2</sup>**

<sup>1</sup>ANGEL COMPANY Tabrīz, East Azerbaijan, Iran

<sup>2</sup>Green India Clean Environment Society, Hisar, Haryana, India

**THE SOIL HEALTH PYRAMID**

**Shivani SHARMA**

School of Agriculture Science, LNCT University Bhopal, M.P.

**EFFECT OF TILLAGE ON SOIL PROPERTIES, GROWTH AND PRODUCTIVITY OF MAIZE GROWN IN VERTISOLS OF WESTERN MADHYA PRADESH**



15<sup>th</sup> ICEEE-2024

**Negar MOSALLANEJAD<sup>1</sup>, Kateryna KHADUSKINA<sup>2</sup>, Bhanu Singh PANWAR<sup>3</sup>**

<sup>1</sup>Department of soil chemistry and fertility, Shiraz University, Iran

<sup>2</sup>V. N. Karazin Kharkiv National University, Kharkiv, Ukraine

<sup>3</sup>Green India Clean Environment Society (GICES), Hisar, India

**DO YOU KNOW ADVERSE ASPECTS OF AGRICULTURE?**

**Tofazzal ISLAM**

Institute of Biotechnology and Genetic Engineering (IBGE),  
Bangabandhu Sheikh Mujibur Rahman Agricultural University,  
Bangladesh

**COMBATING WHEAT BLAST DISEASE: HARNESSING CUTTING-  
EDGE TECHNOLOGIES FOR FOOD SECURITY**

**Éva KIRÁLY, Attila BOROVIČS**

Forest Research Institute, University of Sopron, Várkerület Sárvár,  
Hungary

**INTRODUCTION OF THE COUNTINUOUS COVER FORESTRY  
MODULE OF THE FOREST INDUSTRY CARBON MODEL**

**Shrouk Elgarihi EBRAHIM, Mohsen Elsayed IBAHIM, Ahmed  
Elsaid ABDELAZIZ, Metwally Ramadan KOTTB**

Faculty of science, Port Said University, Port Said, Egypt

***PENICILLIUM OXALICUM* ISOLATED FROM ZEA MAYS  
RHIZOSPHERE AS A PROMISING PLANT GROWTH  
PROMOTOR VIA MULTIPLE MECHANISMS**

**Clea Anne V. CORSIGA, Marciano D. TANGPOS**

Cebu Technological University-Barili, Cagay, Barili, Cebu

**INTEGRATED ASSESSMENT OF TILLAGE SYSTEMS AND  
NUTRIENT MANAGEMENT SCHEMES ON GROWTH DYNAMICS  
AND YIELD PERFORMANCE OF LOWLAND RICE (*Oryza sativa*  
var. NSIC RC222) IN BARILI, CEBU**



15<sup>th</sup> ICEEE-2024

**Komal JAT<sup>1</sup>, Valentina Anufriyeva<sup>2</sup>, B. S PANWAR<sup>3</sup>**

<sup>1</sup>CAU Imphal, Imphal, Manipur, India

<sup>2</sup>Health care management education coordinator, Ukrainian-Swiss Project "Medical Education Development" (MED), Kyiv, Ukraine

<sup>3</sup>GICES-Hisar, Haryana, India

**GREEN APPROACH: PHYTOREMEDIATION**

**Eetizez KAROU, Mohammed Ali TRIK, Monia ENNOUR**

Olive tree institute, Sfax, Tunisia

**CHARACTERIZATION AND EVALUATION OF THE  
ANTIFUNGAL ACTIVITY OF POSIDONIA OCEANICA EXTRACTS  
AGAINST PATHOGENIC RHIZOCTONIA SPECIES**



# A. Sustainability of Water, Sediments & Waste Management

Session (D1)

13:30 – 15:00

Chair of the Session:

Gábor KERTÉSZ

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_MjVkJZGRmMTItYjc1YS00NTUwLWIyOWUtNDhiMzk1ZWl5MTZm%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_MjVkJZGRmMTItYjc1YS00NTUwLWIyOWUtNDhiMzk1ZWl5MTZm%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**Abdul Aala Khurram**

Water Care Services, Lahore, Pakistan

**EXPLORING A CHEMICAL-FREE WASTEWATER TREATMENT SYSTEM FOR AGRICULTURAL REUSE: A PILOT STUDY ON INDUSTRIAL AND MUNICIPAL WASTEWATER**

**Adhena Ayaliew WERKNEH**

Mekelle University, Ethiopia

Northumbria University Newcastle, United Kingdom

**DECENTRALIZED CONSTRUCTED WETLANDS AS ALTERNATIVE SOLUTION FOR WATER AND WASTEWATER TREATMENT IN DEVELOPING COUNTRIES: OVERALL PERFORMANCE AND REMOVAL MECHANISMS**

**Fares BOUKHENISSA<sup>1</sup>, Tarek DRIAS<sup>1</sup>, Yacine AZIZI<sup>2</sup>**

<sup>1</sup>Department Of Geology, Mobilization and Water Resources Management Laboratory, University Batna2, Algeria

<sup>2</sup>Department of Geology, Energy and Material Laboratory, University of Tamanrasset, Algeria

**GROUNDWATER MANAGEMENT AND SUSTAINABLE IN ARID REGIONS A CASE STUDY OF KHANGUET SIDI NADJI, SOUTH-EASTERN ALGERIA**



15<sup>th</sup> ICEEE-2024

**Ruqayah Ali GRMASHA<sup>1,2</sup>, Csilla STENGER-KOVÁCS<sup>1,3</sup>, Osamah J. AL-SAREJI<sup>2,4</sup>, Mónika MEICZINGER<sup>4</sup>, Raed A. AL-JUBOORI<sup>5,6</sup>**

<sup>1</sup>University of Pannonia, Faculty of Engineering, Center for Natural Science, Research Group of Limnology, Veszprem, Hungary

<sup>2</sup>Environmental Research and Studies Center, University of Babylon, Babylon, Al-Hillah, Iraq

<sup>3</sup>HUN-REN-PE Limnoecology Research Group, Veszprém, Hungary

<sup>4</sup>Sustainability Solutions Research Lab, Faculty of Engineering, University of Pannonia, Veszprem, Hungary

<sup>5</sup>NYUAD Water Research Center, New York University-Abu Dhabi Campus, Abu Dhabi, Abu Dhabi, United Arab Emirates

<sup>6</sup>Water and Environmental Engineering Research Group, Department of Built Environment, Aalto University, Aalto, Espoo, Finland

## **POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) LEVELS IN THREE DIFFERENT RIVERS**

**Osamah J. AL-SAREJI<sup>1,2</sup>, Mónika MEICZINGER<sup>1</sup>, Viola SOMOGYI<sup>1</sup>, Ruqayah Ali GRMASHA<sup>2,3</sup>, Raed A. AL-JUBOORI<sup>4,5</sup>**

<sup>1</sup>Sustainability Solutions Research Lab, Faculty of Engineering, University of Pannonia, Veszprem, Hungary

<sup>2</sup>Environmental Research and Studies Center, University of Babylon, Babylon, Al-Hillah, Iraq

<sup>3</sup>University of Pannonia, Faculty of Engineering, Center for Natural Science, Research Group of Limnology, Veszprem, Hungary

<sup>4</sup>NYUAD Water Research Center, New York University-Abu Dhabi Campus, Abu Dhabi, United Arab Emirates

<sup>5</sup>Water and Environmental Engineering Research Group, Department of Built Environment, Aalto University, Aalto, Espoo, Finland

## **THE APPLICATION OF DIFFERENT WASTES TO REMOVE ORGANIC MICROPOLLUTANTS**



15<sup>th</sup> ICEEE-2024

**Moufida BELLOULA<sup>1</sup>, Tarek DRIAS<sup>2</sup>, Abdelmajid BOUFEKKANE<sup>3</sup>**

<sup>1</sup>Laboratory of mobilization and water resource management. University of Batna 2. Algeria

<sup>2</sup>Laboratory of natural risks and territory Development. University of Batna 2. Algeria

<sup>3</sup>FSTGAT. USTHB University, beb Azouar Algiers, Algeria

**CHARACTERISATION OF FLOW AND SEDIMENT TRANSPORT BY MODELLING IN SEMI-ARID AREAS. EXAMPLE OF THE MESKIANA-MELLEQUE UPSTREAM BASIN (CONFIN AIGERO-TUNISIA)**

**Zita ZRINYI, Renata GERENCSEK-BERTA, Nikoletta KOVACS, Gabor MAASZ**

Soos Erno Research and Development Center, University of Pannonia, Nagykanizsa, Hungary

**WASTEWATER IMPACT ON SURFACE WATER: OCCURRENCE, ATTENUATION, AND RISKS OF ORGANIC MICROPOLLUTANTS IN THE MIRROR OF THE NEW EU URBAN WASTEWATER DIRECTIVE**

**Imane HAYDARI<sup>1,2</sup>, Jihen ELLEUCH<sup>3</sup>, Naaila OUAZZANI<sup>1,2</sup>, Faissal AZIZ<sup>1,2</sup>**

<sup>1</sup>Laboratory of Water, Biodiversity, and Climate Change, Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakech, Morocco.

<sup>2</sup>National Center for Research and Studies on Water and Energy, Cadi Ayyad University, Marrakech, Morocco.

<sup>3</sup>Laboratory of Enzymatic Engineering and Microbiology, National Engineering School of Sfax, University of Sfax, Sfax, Tunisia.

**INNOVATIVE ADSORBENT FOR ECO-FRIENDLY TREATMENT OF OLIVE MILL WASTEWATER**



15<sup>th</sup> ICEEE-2024

**Mustafa HATHAL, Viola SOMOGYI**

Sustainability Solutions Research Laboratory, University of Pannonia,  
Veszprém, Hungary

**WASTEWATER RECYCLING FOR IRRIGATION USES IN ARID  
REGIONS**



## Session (D2)

15:00 – 15:50

**Chair of the Session:** Zita ZRINYI

*In the same Teams meeting as Session (D1):*

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_MjVkJZGRmMTItYjc1YS00NTUwLWIyOWUtNDhiMzk1ZWl5MTZm%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_MjVkJZGRmMTItYjc1YS00NTUwLWIyOWUtNDhiMzk1ZWl5MTZm%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**Bekalu Melis ALEHEGN<sup>1</sup>, Dagnenet Sultan ALEMU<sup>2</sup>**

<sup>1</sup>Assosa University, college of Agriculture, Department of Soil Resource and Watershed Management, Ethiopia,

<sup>2</sup>Bahir Dar university faculty of civil and Water Resource Engineering, Ethiopia

**EFFECT OF DEFICIT IRRIGATION ON BARLEY YIELD AND WATER PRODUCTIVITY THROUGH FIELD EXPERIMENT AND MODELING AT KOGA IRRIGATION SCHEME, AMHARA REGION, ETHIOPIA**

**Tamás KLOKNICER<sup>1,2</sup>, Dániel Benjámín SÁNDOR<sup>2</sup>, Anita SZABÓ<sup>2</sup>**

<sup>1</sup>Óbuda University, Budapest, Hungary

<sup>2</sup>Inno-Water Zrt, Budapest, Hungary

**EFFECT OF MIXING ENERGY ON VARIOUS FRESHLY DEVELOPED MICROCARRIERS**





**Yanina L. ROMERO<sup>1</sup>, BESSEMBINDER<sup>2</sup>, Van De GIESEN<sup>3</sup>, Van De VEN<sup>3</sup>**

<sup>1</sup>Beuningen, The Netherlands

<sup>2</sup>Climate Services, Royal Netherlands Meteorological Institute (KNMI), De Bilt, The Netherlands

<sup>3</sup>Water Management of the Faculty of Civil Engineering and Geosciences, Delft University of Technology, Delft, The Netherlands

## **A RELATION BETWEEN EXTREME DAILY PRECIPITATION AND EXTREME SHORT-TERM PRECIPITATION**

**Abdelmadjid BOUFEKANE<sup>1</sup>, Moufida BELLOULA<sup>2</sup>, Oussama SABROU<sup>1</sup>, Nawel CKIKH<sup>1</sup>**

<sup>1</sup>Geo-Environment Laboratory, Department of Geology, Faculty of Earth Sciences and Country Planning, University of Sciences and Technology Houari Boumediene, Bab Ezzouar, Algeria

<sup>2</sup>Natural Risks and Land Use Laboratory, Department of Geography and Regional Planning, Batna 2 University, Fesdis, Batna, Algeria

## **PREDICTION OF THE PIEZOMETRIC LEVEL IN THE EASTERN MITIDJA PLAIN USING DEEP LEARNING MODEL - APPLICATION OF THE LONG-SHORT TERM MEMORY MODEL**

**Lema Kefyalew MULUBIRHAN**

Ethiopian Electric Power (EEP), Addis Ababa, Ethiopia

## **URBAN WATER SUPPLY SYSTEM PERFORMANCE ASSESSMENT: THE CASE OF ALEM GENA TOWN**



15<sup>th</sup> ICEEE-2024

# **A. Sustainability of Circular (Bio)Economy Strategy of Recycling, & Energy And B. Air Pollution & Ecosystems & Landscape**

**Session (E1)                      15:10 – 16:30**

**Chair of the Session:                      Emoke IMRE**

*In the same Teams meeting as Session (C1):*

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ZTMyZWZmNWItYjZmNy00YTgwLTk4ZjctM2Q0ZDFkNmQ1MTVi%40thread.v2/0?context=%7b%22tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZTMyZWZmNWItYjZmNy00YTgwLTk4ZjctM2Q0ZDFkNmQ1MTVi%40thread.v2/0?context=%7b%22tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**Saeid Nasiri ZARE<sup>1</sup>, Kamran Jafarpour  
Amina MELIANI, Ahmed BENSOLTANE**  
Department of Biology, FSNV. University of Mustapha Stambouli,  
Mascara, Algeria

**THE USE OF THE PLANT GROWTH-PROMOTING  
RHIZOBACTERIUM PSEUDOMONAS AS AGRICULTURE  
BIORESOURCE**

**Karim ENNOURI**  
University of Sfax, Sfax, Tunisia  
**CLIMATE CHANGE SIMULATION: UTILIZING REMOTE  
SENSING AS AN EFFECTIVE TOOL**



**B. ABRAHAM**

Mekelle University, Mekelle, Ethiopia

**THE FIGHT FOR COEXISTENCE IN THE HARSH AFROALPINE ECOSYSTEM: DIETARY NICHE PARTITIONING BETWEEN TWO SYMPATRIC RODENT SPECIES IN THE GUASSA MENZ COMMUNITY CONSERVATION AREA, ETHIOPIA**

**Abdelkader HEMAIZIA**

Laboratory of Energy Mechanics and Conversion Systems, University of Sciences and Technology Houari Boumediene, Bab-Ezzouar, Algeria

**IMPACT OF HYDROGEN ENRICHMENT ON FLAME STABILIZATION AND EMISSIONS IN PROPANE-AIR COMBUSTION: A NUMERICAL STUDY**

**Antoine KANTIZA**

International Relations Policy, Centre of International Relations of Bujumbura, Bujumbura, Burundi

**EFFECTS OF OZONE LAYER SHORTAGE UPON LIVING BEINGS**

**Ágnes BÁLINT<sup>1</sup>, Zoltán EISELT<sup>2</sup>, Gábor BAKÓ<sup>2</sup>, Xuechu WANG<sup>2</sup>, Csaba MÉSZÁROS<sup>2</sup>**

<sup>1</sup>Óbuda University, Budapest, Hungary

<sup>2</sup>MATE, Gödöllő, Hungary

**INVESTIGATION OF HEAVY METAL CONTAMINATION AT A FORMER CANNERY IN HALÁSZTELEK**



## **G. Applied & Natural Sciences Session (G1) 13:30 – 15:30**

**Chair of the Session: Ratnesh DAS**

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_NzIyNzE4MjAtODE3ZS00ZmVjLTk4N2UtODBiNzQ1NWQxNzY5%40thred.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NzIyNzE4MjAtODE3ZS00ZmVjLTk4N2UtODBiNzQ1NWQxNzY5%40thred.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**S. Kh. YAKUBOV**

Institute of Military Aviation of the Republic of Uzbekistan, Karshi, Uzbekistan

**ALGORITHMIZATION OF RESEARCH AND SOLVING  
OPTIMIZATION PROBLEMS**

**Amit Kumar MAURYA<sup>1</sup>, Mahesh SINGH<sup>1</sup>, Vinny JOHN<sup>2</sup>**

<sup>1</sup>Teerthankar Mahaveer University, Moradabad, Uttar Pradesh, India

<sup>2</sup>Department of Agriculture, Mangalayatan University, Jabalpur, Madhya Pradesh, India

**OPTIMIZING SUBSTRATES FOR ENHANCED SPAWN AND  
YIELD OF OYSTER MUSHROOM (PLEUROTUS FLORIDA)**

**D. Jenina ANGELIN, R. PUGALENTHI**

Department of Artificial Intelligence and Data Science, St. Joseph's College of Engineering, Chennai, India

**LAND USE LAND COVER MAPPING IN BIODIVERSITY  
HOTSPOTS USING NEURAL-CELLULAR MODELS**

**Faruque HOSSAIN, S. Mosaddeq AHMED**

American International University, Dhaka, Bangladesh

**ORGANIC CARBON STORAGE MEASUREMENT OF  
SUNDARBAN MANGROVE FOREST SOILS OF BANGLADESH**



15<sup>th</sup> ICEEE-2024

**Sahel HAGHIGHI<sup>1</sup>, Frood SHARIFI<sup>2</sup>, Reza TAMARTASH<sup>1</sup>**

<sup>1</sup>Sari University of Agricultural Sciences and Natural Resources,  
Mazandaran, Iran

<sup>2</sup>Soil Conservation and Watershed Management Research Institute,  
Tehran, Iran

**EVALUATION OF THE PERFORMANCE AND QUALITY OF  
VETIVER PLANT UNDER THE INFLUENCE OF SOME  
ENVIRONMENTAL FACTORS (CASE STUDY: SIDE AREA OF  
SANGAR DAM RESERVOIR - IRAN)**

**Gagan Preet Kour BALI**

Department of Biosciences, UIBT, Chandigarh *University*, Mohali,  
Punjab, India

**A TAXONOMICAL PUZZLE: GENUS GAZALINA WALKER**

**D. Jenina ANGELIN, R. PUGALENTHI**

Department of Artificial Intelligence and Data Science, St. Joseph's  
College of Engineering, Chennai, India

**THE HIDDEN COST OF INTELLIGENCE: AI'S CARBON  
FOOTPRINT AND STRATEGIC SOLUTIONS**



15<sup>th</sup> ICEEE-2024

## **G. Applied & Natural Sciences Session (G2) 15:30 – 17:30**

**Chair of the Session: Giuseppe CIABURRO**

*In the same Teams meeting as Session (G1):*

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_NzIyNzE4MjAtODE3ZS00ZmVjLTk4N2UtODBiNzQ1NWQxNzY5%40thead.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_NzIyNzE4MjAtODE3ZS00ZmVjLTk4N2UtODBiNzQ1NWQxNzY5%40thead.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**Lara Rúbia BORGES-FORRÓ, Levente KARDOS**

Hungarian University of Agriculture and Life Sciences, Institute of Environmental Sciences, Department of Agro-environmental Studies, Budapest, Hungary

**EVALUATION OF GERMINATION PERFORMANCE IN COMPOST BLENDS OF PÁLINKA DISTILLATION MASH WITH DIVERSE CO-COMPOSTING MATERIALS**

**Maamar BOUKABCHA, Khaled EL MILOUDI**

Hassiba BEN BOUALI University of Chlef, Chlef, Algeria

**STUDY OF THE BIOPHYSICAL PROPERTIES OF PLANT, SOIL, AND WATER INTERACTION DURING THE ENTIRE GROWTH CYCLE OF THE SUNFLOWER PLANT**

**Ahmed RAMDANI, Fouad MALEK**

Laboratory of Applied Chemistry and Environment – ECOMP, Faculty of Sciences, Mohammed First University, Bd Mohamed VI, Morocco

**COMPARATIVE STUDY OF CELLULOSE MICROFIBERS**



15<sup>th</sup> ICEEE-2024

**Zoubir BELHIMER, Azzedine BOUZENOUNE, Abdelhakim BOUCHAIR**

Geological Engineering Laboratory (LGG), Faculty of Natural and Life Sciences, University of Jijel, Jijel, Algeria

**GITOLOGY OF TRIASSIC OPHITES-RELATED MINERALIZATIONS OF EASTERN BABORS: A CASE STUDY OF OUALIL OPHITES (JIJEL PROVINCE, NORTHEASTERN ALGERIA)**

**Mekonen ASEFA**

Budapest University of Technology and Economics, Budapest, Hungary

**DEVELOPMENT OF ZNO/TIO<sub>2</sub> INVERSE OPAL NANOSTRUCTURED GAS SENSORS ON CHIP SUBSTRATES FOR ENHANCED DETECTION OF NO<sub>2</sub>, CO<sub>2</sub>, AND NH<sub>3</sub>**

**Maamar BOUKABCHA, Khaled EL MILOUDI**

Hassiba BEN BOUALI University of Chlef, Chlef, Algeria

**MATHEMATICAL STUDY OF PLANT GROWTH PHENOMENA: STUDY OF THE SUNFLOWER PLANT GROWTH**



# Poster Session A

## 15:15 – 16:50

**Chair of the Session:** Hosam BAYOUMI HAMUDA

*In the same Teams meeting as the Plenary Session:*

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_YmZjYzOwNDktMTk2MS00YjhiLThmOTUtNGRlMzOyOWO5YWQ2%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmZjYzOwNDktMTk2MS00YjhiLThmOTUtNGRlMzOyOWO5YWQ2%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**Swati MEHTA, Pankaj DAHIYA, Navjot RANA**

Lovely Professional University, Phagwara, India

**CLIMATE-SPECIFIC FORAGE CROP PLANNING FOR  
CONTINUOUS FODDER SUPPLY ROUND THE YEAR IN  
NORTHERN SUBTROPICS OF INDIA**

**Opeoluwa Aderemi AKINBOYEJE**

College of Centre of Excellence in Agricultural Development and Sustainable Environment, Department of Livestock Science and Sustainable Environment, Ogun State, Nigeria

**EFFECT OF PHYTOGENIC FEED ADDITIVE BLEND ON  
HAEMATO- BIOCHEMISTRY INDICES AND CARCASS QUALITY  
OF BROILER CHICKENS**

**Kashif Raza SIDDIQUE**

Goel Institute of Technology and Management, Lucknow, India

**STUDY ON MANAGEMENT OF ARSENIC-LADEN SPENT  
SLUDGE FROM ELECTROCOAGULATION TREATMENT**





15<sup>th</sup> ICEEE-2024

**Pankaj DAHIYA, Swati MEHTA, Navjot RANA**

Lovely Professional University, Phagwara, India

**ASSESSMENT OF PHENOLOGICAL DEVELOPMENT OF WHEAT CROP UNDER VARYING SOWING DATES IN THE TRANSGANGETIC REGION OF INDIAN SUBCONTINENT**

**Sushmita PAUDEL**

Himalayan Whitehouse International College, Kathmandu, Nepal

**ASSESSMENT OF THE IMPACT OF BACILLUS MONOCULTURE FERMENTATION ON TANNIN, PHENOL, FLAVONOID CONTENT, AND PHARMACOLOGICAL PROPERTIES (ANTIMICROBIAL, ANTIOXIDANT AND CYTOTOXICITY) OF PTEROCARPUS MARSUPIUM LEAVES: A COMPARATIVE STUDY**

**Mamata SONI, Bhavin SONI**

Madhav University, Pindwara (Raj.), India

**RENEWABLE ENERGY FROM A PHYSICS AND BIOTECHNOLOGY PERSPECTIVE: ADVANCES IN SOLAR, WIND, AND BIOENERGY SYSTEMS**

**BEZAI Abderrahim<sup>1</sup>, BRINIS Nafaa<sup>1</sup>, REGHAIS Azzeddine<sup>2</sup>, DJENBA Samir<sup>1</sup>, BOUKHENISSA Fares<sup>1</sup>**

<sup>1</sup>Mobilization and Water resources management Laboratory (MGRE), STU, Batna 2 university, Algeria

<sup>2</sup>Geological Engineering Laboratory (LGG), SNV, Jijel university, Algeria

**HYDROCHEMICAL EVOLUTION OF GROUNDWATER IN THE REMILA PLAIN, NORTHEAST KHENCHELA, ALGERIA**



15<sup>th</sup> ICEEE-2024

**Samaneh ANSARINIA**

Molecular Cellular Department of the University Isfahan, Isfahan, Iran

**THE EFFECT OF CHAMOMILE ESSENTIAL OIL ON BIOFILM PRODUCTION IN PSEUDOMONAS AERUGINOSA**

**Olha. A. KHLIESTOVA<sup>1,2</sup>, Katarzyna Ewa ŁOŚ<sup>2</sup>, B.S. PANWAR<sup>3</sup>**

<sup>1</sup>Department of Primary Science Institute of Modern Technologies, Pryazovskyi State Technical University, Dnipro, Ukraine.

<sup>2</sup>Department of Machine Parts and Mechanism, Faculty of Mechanical Engineering, Technical University of Liberec, Czech Republic.

<sup>3</sup>Green India Clean Environment Society (GICES), Hisar, Haryana, India

**THE SOIL IS RICH, THEN SO IS THE NATION: A FARMER IS A MAGICIAN WHO PRODUCES MONEY FROM THE MUD?**

**Ashish A. MAGDUM<sup>1</sup>, N. M. KONDE<sup>2</sup>, P. R. KADU<sup>3</sup>, Nilam KANASE<sup>4</sup>, G. V. THAKARE<sup>5</sup>**

<sup>1</sup>Department of Soil Science and Agricultural Chemistry, Dr PDKV Akola Maharashtra, India

<sup>2</sup>Department of Soil Science and Agricultural Chemistry, Dr PDKV Akola Maharashtra India

<sup>3</sup>College of Agriculture Nagpur Maharashtra, India

<sup>4</sup>Department of Soil Science and Agricultural Chemistry, Dr PDKV Akola Maharashtra, India

<sup>5</sup>Department of Agronomy, Dr PDKV Akola Maharashtra India

**EVALUATING THE INFLUENCE OF CONSERVATION AND CONVENTIONAL TILLAGE REGIMES ON SOIL QUALITY DYNAMICS IN COTTON AGROECOSYSTEMS**



15<sup>th</sup> ICEEE-2024

**Mohammed ER-RAJY, Menana ELHALLAOUI**

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

**DESIGN OF NOVEL ANTI-CANCER AGENTS TARGETING COX-2  
INHIBITORS BASED ON COMPUTATIONAL STUDIES**

**Sara Alia LAKHDARI<sup>1</sup>, Boualem BOUSELSAL<sup>2</sup>, Yasmine  
LAKHDARI<sup>3</sup>**

<sup>1,2</sup>Department of Earth Sciences, Kasdi Merbah University, Ouargla, Algeria

<sup>3</sup>Department of Agronomic Sciences, SNV Faculty, University of Gharda,  
Algeria

**GRAPHICAL, STATISTICAL AND INDEX-BASED TECHNIQUES  
INTEGRATED FOR IDENTIFYING THE HYDROCHEMICAL  
FINGERPRINTS AND GROUDWATER QUALITY OF IN SALAH  
ALGERIAN SAHARA**

**Emoke IMRE<sup>1</sup>, Giulia GUIDA<sup>2</sup>, Shuyin FENG<sup>3</sup>, Maria  
DATCHEVA<sup>4</sup>, Wiebke BAILLE<sup>5</sup>, Ágnes BÁLINT<sup>6</sup>, Delphin KABEY  
MWINKEN<sup>7</sup>, Vijay Pal SINGH<sup>8</sup>**

<sup>1</sup>Bánki Donát Faculty of Mechanical and Safety Engineering and EKIK HBM  
Research Centers, Óbuda University, Budapest Hungary

<sup>2</sup>Department of Civil Engineering and Informatics, Università degli studi di  
Roma Tor Vergata, Rome, Italy

<sup>3</sup>Department of Civil Engineering, Birmingham City University, UK

<sup>4</sup>Institute of Mechanics and Institute of Information and Communication  
Technologies, Bulgarian Academy of Sciences, Sofia, Bulgaria

<sup>5</sup>Ruhr-Universität Bochum, Bochum, Germany

<sup>6</sup>Óbuda University, Institute of Environmental Engineering and Natural  
Sciences, Budapest, Hungary

<sup>7</sup>AIAM Doctoral School, Óbuda University, Hungary

<sup>8</sup>Texas A & M University, USA

**COMPARING THE HARMONIC MEAN DIAMETER FROM  
GRAIN SIZE DISTRIBUTION BY DRY MASS AND BY SURFACE  
AREA**



15<sup>th</sup> ICEEE-2024

**Visha JAIN<sup>1</sup>, Chandra BHUSHAN<sup>1</sup>, Ayushi JAIN<sup>2</sup>, Shivam JANGRA<sup>3</sup>**

<sup>1</sup>Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, India

<sup>2</sup>Department of Horticulture, Maharana Pratap University of Agriculture and Technology, Udaipur, India

<sup>3</sup>Chaudhary Charan Singh Haryana Agricultural University, Hisar, India

**AUGMENTING YIELD OF MUNGBEAN (VIGNA RADIATA) THROUGH FOLIAR NUTRITION UNDER GUAVA (PSIDIUM GUAJAVA) BASED AGRIHORTI SYSTEM**

**AANCHAL<sup>1</sup>, Sanjay K SHARMA<sup>2</sup>, Mitu KATOCH<sup>2</sup>, Saurabh THAKUR<sup>1</sup>**

<sup>1</sup>Department of Soil Science, CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur, Himachal Pradesh, India

<sup>2</sup>Department of Agronomy, CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur, Himachal Pradesh, India

**SOIL MICROBIAL DYNAMICS AS INFLUENCED BY DIFFERENT NUTRIENT MANAGEMENT PRACTICES IN MAIZE-WHEAT CROPPING SYSTEM IN ACID HILL SOIL OF HIMACHAL PRADESH**

**Sahar MALEKI<sup>1</sup>, Bhanu Singh PANWAR<sup>2</sup>**

<sup>1</sup>Pars Exir Sepand, Shiraz University, Iran

<sup>2</sup>GICES-HISAR, INDIA

**HOW TO KEEP SOIL BODY HEALTHY AND FERTILE?**



15<sup>th</sup> ICEEE-2024

## Program of 22<sup>nd</sup> of November 2024 (Friday)

# Continuation of A, B, C, D, E, F, G and Poster sessions

09:00 – 11:00

## I. Posters Session:

**Chair of the Session:** *Hosam BAYOUMI HAMUDA*

*On Friday there will be only one Teams meeting for everything, during the whole day:*

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_Zjk4YjgwNjEtMzczYy00N2JkLTliZWQtNDYwYTIyZmZmNzMI%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_Zjk4YjgwNjEtMzczYy00N2JkLTliZWQtNDYwYTIyZmZmNzMI%40thread.v2/0?context=%7b%22Tid%22%3a%221d6a56fa-705a-4bbc-8004-67a21d5e9b97%22%2c%22Oid%22%3a%22f4ad040e-f193-4400-b776-a32473cf7510%22%7d)

**Saurabh THAKUR, Sanjeev K SANDAL, Richa JASWAL,  
AANCHAL**

Department of Soil Science, CSK Himachal Pradesh Krishi  
Vishwavidyalaya, Palampur, Himachal Pradesh, India

**EVALUATING CAPSICUM PRODUCTIVITY THROUGH DRIP  
IRRIGATION AND INM BASED FERTIGATION IN A NATURALLY  
VENTILATED POLYHOUSE**

**Sonali RAJPUT**

Department of Seed Science and Technology, HNBGU-Srinagar,  
Uttarakhand, India

**LEVERAGING SOIL MICROBIOMES FOR SUSTAINABLE  
AGRICULTURE AND CLIMATE ADAPTATION**



15<sup>th</sup> ICEEE-2024

**Shahnoor CHOWDHARY**

Sher e Kashmir University of Agricultural Sciences and Technology,  
Jammu (Jammu & Kashmir), Jammu, India

**INTRODUCING SILKWORM PUPAE AS AN INNOVATIVE  
MEDIUM FOR MASS REARING THE BIOCONTROL  
PARASITOID TETRASTICHUS HOWARDI (OLLIFF)**

**Sushma PAUDEL**

Ecorevive Research and Innovation, Kathmandu, Nepal

**STUDY OF ANTIMICROBIAL RESISTANT GRAM-NEGATIVE  
BACTERIA IN CHICKEN AND PORK MEAT IN KATHMANDU  
VALLEY**

**ANKAJ<sup>1</sup>, K.K BHARDWAJ<sup>2</sup>, M.K. SHARMA<sup>2</sup>, R.S. BENIWAL<sup>3</sup>**

<sup>1</sup>Department of Soil Science, Guru Kashi University, Bathinda, India

<sup>2</sup>Department of Soil Science, Chaudhary Charan Singh Haryana  
Agricultural University, Hisar, India

<sup>3</sup>Department of Forestr, Chaudhary Charan Singh Haryana  
Agricultural University, Hisar, India

**TITLE SOIL NUTRIENT FRACTIONS UNDER DIFFERENT  
AGROFORESTRY SYSTEMS UNDER SEMI-ARID CONDITIONS  
OF HARYANA**

**Raghvendra Kumar KUSHWAHA<sup>1</sup>, Drishty KATIYAR<sup>2</sup>**

<sup>1</sup>Sam Higginbottom University of Agriculture, Technology and  
Sciences, Prayagraj, U.P., INDIA

<sup>2</sup>CSAUA & T University, U.P., Kanpur, INDIA

**BIOSTIMULANTS-THE ALCHEMY OF THE FUTURE'S  
AGRICULTURE TECHNOLOGY**



15<sup>th</sup> ICEEE-2024

**Samaneh ANSARINIA**

Molecular Cellular Department of the university Isfahan, Isfahan, Iran

**THE EFFECT OF CHAMOMILE ESSENTIAL OIL ON BIOFILM PRODUCTION IN PSEUDOMONAS AERUGINOSA**

**Akhmetova GALIYA<sup>1,2</sup>**

<sup>1</sup>Saniplant Biotechnological Research and Development Ltd, Gődöllo, Hungary

<sup>2</sup>A.I. Barayev Research and Production Centre for Grain Farming, Shortandy, Kazakhstan

**TESTING THE PESTICIDE TOLERANCE OF BACTERIAL COMPONENTS FOR MICROBIAL SOIL INOCULANTS**

**Shashank SEN, Kapildev GOCHER**

College of Agriculture Iroishemba, Central Agriculture University, Imphal, Manipur, India

**CLIMATE SMART AGRICULTURE – A STEP TOWARDS SUSTAINABILITY TO REPLENISH THE EFFECT OF CLIMATE CHANGE**

**Endalkachew ETANA**

Mattu University, Mattu, Ethiopia

**PHYSICOCHEMICAL PARAMETER ANALYSIS, LEVELS OF HEAVY METAL POLLUTION AND POTENTIAL HEALTH RISK ASSESSMENTS IN AGRICULTURAL SOILS FROM SOUTH-WEST REGION OF ETHIOPIA**

**Igor DUKAY**

Institute for Wildlife Management and Nature Conservation, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary

**THE NEED AND POSSIBLE DIRECTIONS FOR SUSTAINABLE WATER MANAGEMENT ALONG THE BÜKKÖS STREAM (SZENTENDRE, HUNGARY)**



15<sup>th</sup> ICEEE-2024

**Akhmetova GALIYA<sup>1</sup>, KIYAS ALDABERGEN<sup>1</sup>, SYDYKOVA  
KAMILYA<sup>2</sup>, SOLTABAYEVA AIGERIM<sup>2</sup>**

<sup>1</sup>A.I. Barayev Research and Production Centre for Grain Farming, Shortandy, Kazakhstan

<sup>2</sup>Nazarbayev University, Astana, Kazakhstan

**FUNGAL COMMUNITY ISOLATED FROM THE ROOT OF  
AGRICULTURAL PLANTS AND SOIL IN A VARIETY OF TYPES  
CROP ROTATIONS IN THE AKMOLA REGION**

**Abdeldjabar NECER**

University of Batna, Route de Constantine. Fesdis, Batna, Algeria

**AMPHIBIAN AND REPTILE DIVERSITY IN THE BELEZMA  
BIOSPHERE RESERVE, BATNA PROVINCE, NORTH-EASTERN  
ALGERIA**

**Ghalehtemouri<sup>1,2,3</sup>, Taher PARIZADI<sup>1</sup>**

<sup>1</sup>Department of Geographical Sciences, Faculty of Geography and Urban planning, Kharazmi University, Tehran, Iran

<sup>2</sup>Environmental Resilience and sustainability, Malaysia-Japan International of Technology, Universiti Teknologi Kuala Lumpur, Jalan Sultan Yahya Petra, Kuala Lumpur, Malaysia

<sup>3</sup>Disaster Preparedness & Prevention Centre, Malaysia-Japan International of Technology, Universiti Teknologi, Kuala Lumpur, Jalan Sultan Yahya Petra, Kuala Lumpur, Malaysia

**EXPLORING AND MAPPING THE DRIVERS OF SPATIAL  
INEQUALITY AND REGIONAL ECONOMIC DISPARITIES IN  
IRAN: AN ANALYSIS OF NATIONAL POLICIES**

**ASSIATAFROUNT, Tarek DRIAS**

University of Batna 2, Fesdis, Algeria

**IDENTIFYING THE ORIGIN AND GEOCHEMICAL EVOLUTION  
OF GROUNDWATER USING HYDROCHEMISTRY AND STABLE  
ISOTOPES IN A SEMI-ARID SHALLOW AQUIFER: A CASE  
STUDY OF THE BARIKA AREA IN NORTHEAST ALGERIA**





15<sup>th</sup> ICEEE-2024

**Olivier IRUMVA<sup>1,2</sup>, Gratien TWAGIRAYEZU<sup>3,4</sup>, Antong XIA<sup>3</sup>,  
Fasilate UWIMPAYE<sup>5</sup>, Jean Claude NIZEYIMANA<sup>4,6</sup>, Ildephonse  
NIZEYIMANA<sup>7</sup>**

<sup>1</sup>Department of Civil and Environmental Engineering, University of  
Nebraska-Lincoln, Lincoln, Nebraska, United States

<sup>2</sup>College of Environmental Science and Engineering, Tongji  
University, Shanghai, China

<sup>3</sup>State Key Laboratory of Environmental Geochemistry, Institute of  
Geochemistry, Chinese Academy of Sciences, Guiyang, Guizhou,  
China

<sup>4</sup>University of Chinese Academy of Sciences, Beijing, China

<sup>5</sup>Institute of Environmental Engineering and Building Installations,  
Faculty of Environmental Engineering and Energy, Poznan  
University of Technology, Berdychowo, Poznan, Poland

<sup>6</sup>CAS Key Laboratory of Urban Pollutant Conversion of Urban  
Environment, Institute of Urban Environment, Chinese Academy of  
Sciences, Xiamen, China

<sup>7</sup>Ministry of Infrastructure, Government of Rwanda, Kigali, Rwanda

**THE ENVIRONMENTAL FATE AND TRANSPORT, IMPACTS,  
AND FUTURE PERSPECTIVES OF ENGINEERED  
NANOPARTICLES IN SURFACE WATERS**

**Kenza IRINISLIMANE**

Mechanical Engineering Department, M'Hamed Bougara University,  
Boumerdes, Algeria

**ENVIRONMENTAL VULNERABILITY, NATURE'S  
PREDISPOSITIONS AND RISK FACTORS**

**Pragati PANDEY**

Sardar Vallabhbhai Patel University of Agriculture & Technology,  
Meerut, India

**PRODUCTION POTENTIAL OF RICE-BASED CROPPING  
SYSTEM UNDER IRRIGATED CONDITIONS**



15<sup>th</sup> ICEEE-2024

**Ayeh LOTFOLLAHI<sup>1</sup>, Mohammad Amir DELAVAR<sup>1</sup>, Asim BISWAS<sup>2</sup>, Shahrokh FATEHI<sup>3</sup>, Ruhollah TAGHIZADEH-MEHRJARDI<sup>4</sup>, Mehdi MOKHTARZADE<sup>5</sup>, Mohammad JAMSHIDI<sup>6</sup>**

<sup>1</sup>Department of Soil Science, Faculty of Agriculture, University of Zanjan, Zanjan, Iran

<sup>2</sup>School of Environmental Sciences, University of Guelph, Guelph, Canada

<sup>3</sup>Soil and Water Research Department, Kermanshah Agricultural and Natural Resources Research and Education Center, AREEO, Kermanshah, Iran

<sup>4</sup>Faculty of Agriculture and Natural Resources, Ardakan University, Ardakan, Iran

<sup>5</sup>Department of Photogrammetry and Remote Sensing, Faculty of Geodesy and Geomatics, K. N. Toosi University of Technology, Tehran, Iran

<sup>6</sup>Scientific Staff of Soil and Water Research Institute, Agricultural Research, Education and Extension Organization, Karaj, Iran

**IDENTIFICATION AND SPECTRAL ASSESSMENT OF CALCIUM CARBONATE EQUIVALENT AND ORGANIC CARBON AT DIFFERENT DEPTHS WITH THE MID-INFRARED SPECTRUM**

**Safia SAOULI, Rabah KECHICHED**

Laboratoire des Réservoirs Souterrains: Pétroliers, Gaziers et Aquifères, Université Kasdi Merbah Ouargla, Algeria

**DISTRIBUTION AND ECOLOGICAL RISKS OF TRACE METALS IN GRAIN-SIZE FRACTIONS OF PHOSPHORITE DEPOSITS: A CASE STUDY FROM KEF ESSENOUN DEPOSIT (DJEBEL ONK, NE ALGERIA)**

**Adebayo-Adewunmi, Raimot ADEJUMOKE**

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

**ECOTOXICOLOGY AND POLLUTION: CAUSES, EFFECT AND PREVENTIVE MEASURE TO CONTROL THE TOXIC SUBSTANCES**



15<sup>th</sup> ICEEE-2024

**Asmaa HAJ KHLIFA<sup>1,2</sup>, Halima GAMRANI<sup>1,2</sup>, Najib KISSANI<sup>1</sup>,  
Moulay Mustapha BOUYATAS<sup>1,3</sup>**

<sup>1</sup>Neurosciences, Pharmacology and Environment Team, Laboratory of Clinical, Experimental and Environmental Neurosciences, Faculty of Medicine and Pharmacy, Cadi Ayyad University, Marrakech, Morocco

<sup>2</sup>Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakesh, Morocco

<sup>3</sup>Cadi Ayyad University, Multidisciplinary Faculty of Safi, Department of Biology, Morocco

**AMELIORATIVE EFFECT OF ONONIS NATRIX AGAINST  
CHRONIC LEAD POISONING IN MICE: BIOCHEMICAL AND  
HISTOLOGICAL STUDY**

**Ayeh LOTFOLLAHI<sup>1</sup>, Mohammad Amir DELAVAR<sup>1</sup>, Asim  
BISWAS<sup>2</sup>, Shahrokh FATEHI<sup>3</sup>, Ruhollah TAGHIZADEH-  
MEHRJARDI<sup>4</sup>, Mehdi MOKHTARZADE<sup>5</sup>, Mohammad  
JAMSHIDI<sup>6</sup>**

<sup>1</sup>Department of Soil Science, Faculty of Agriculture, University of Zanjan, Zanjan, Iran

<sup>2</sup>School of Environmental Sciences, University of Guelph, Guelph, Canada

<sup>3</sup>Soil and Water Research Department, Kermanshah Agricultural and Natural Resources Research and Education Center, AREEO, Kermanshah, Iran

<sup>4</sup>Faculty of Agriculture and Natural Resources, Ardakan University, Ardakan, Iran

<sup>5</sup>Department of Photogrammetry and Remote Sensing, Faculty of Geodesy and Geomatics, K. N. Toosi University of Technology, Tehran, Iran

<sup>6</sup>Scientific Staff of Soil and Water Research Institute, Agricultural Research, Education and Extension Organization, Karaj, Iran

**DEVELOPING OF DIGITAL MAPS OF CARBONATE CALCIUM  
EQUIVALENT AND ORGANIC CARBON BY COMBINING  
SPECTROSCOPY AND GEOSTATISTICAL TECHNIQUES**



15<sup>th</sup> ICEEE-2024

**Emőke Imre<sup>1</sup>, Péter Felker<sup>1</sup>, Zsolt Hortobágyi<sup>2</sup>, Gábor Mile<sup>3</sup>,  
Zoltán Kapros<sup>4</sup>, Delphin K Mwinken<sup>5</sup>, Ákos Nemcsics<sup>6</sup>, Antal  
Ürmös<sup>6</sup>, Ágnes Bálint<sup>7</sup>, Csaba Kollár<sup>1</sup>, Tibor Goda<sup>1</sup>, Ervin Rácz<sup>1</sup>,  
Tamás Weidinger<sup>8</sup>**

<sup>1</sup>Óbuda University, Bánki Donát Faculty of Mechanical and Safety Engineering & HBM Research Centers, Budapest, Hungary

<sup>2</sup>Department of Structural Mechanics, Civil Engineering Faculty, Budapest University of Technology and Economics, Budapest, Hungary

<sup>3</sup>FKF Pvt Ltd, Budapest, Hungary

<sup>4</sup>Ministry of Construction and Transport, Hungary

<sup>5</sup>Óbuda University, AIAM Doctoral School, Budapest, Hungary

<sup>6</sup>Kandó Kálmán Faculty, Óbuda University, Budapest, Hungary

<sup>7</sup>Óbuda University, Institute of Environmental Engineering and Natural Sciences, Budapest, Hungary

<sup>8</sup>Department of Meteorology, Institute of Geography and Earth Sciences, Faculty of Sciences, ELTE Eötvös Loránd University, Budapest, Hungary

**WIND VELOCITY MEASUREMENTS: ASSESSING THE HILL EFFECT ON A TRUNCATED PYRAMID**

**ADEBAYO-ADEWUNMI, Raimot ADEJUMOKE**

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

**HEALTH AWARENESS ON CAUSES AND PREVENTION OF DRUG ADDICTION FOR BIOLOGY STUDENTS IN TERTIARY INSTITUTION IN NIGERIA**



## II. Session

### Poster without Presentation ONLY Publication

**Svitlana ZHUKEVYCH<sup>1</sup>, Natalia KARPYSHYN<sup>2</sup>, Natalia ZHUK<sup>3</sup>**

<sup>1</sup>Department of Accounting and Taxation, West Ukrainian National University, Ternopil, Ukraine

<sup>2</sup>Department of International Relations and Diplomacy, West Ukrainian National University, Ternopil, Ukraine

<sup>3</sup>Department of Financial and Economic Security of the Educational and Scientific Humanitarian, Institute National Academy of the Security Service of Ukraine, Kyiv, Ukraine

**ANALYSIS OF THE FINANCIAL STATUS OF THE HEALTH CARE SYSTEM: A COMPREHENSIVE APPROACH BASED ON SECURITY**

**Yara EzAl Deen SULTAN<sup>1</sup>, Archana SHMA<sup>2</sup>**

<sup>1</sup>Department of Chemistry, School of Science & Humanities, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science & Technology, Chennai-600062, Tamil Nadu, India.

<sup>2</sup>Department of Agriculture, Marwadi University, Rajkot, Gujarat, India.

**WILDFIRE RESISTANCE COATING MATERIAL IN VELLORE RESERVE FOREST**

**Martina SLÁMOVA<sup>1</sup>, Zsolt BIRÓ<sup>2</sup>, Csaba CENTERI<sup>2</sup>**

<sup>1</sup>UNESCO Department for Ecological Awareness and Sustainable Development, Technical University in Zvolen, Slovakia

<sup>2</sup>Institute for Wildlife Management and Nature Conservation, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary

**EFFECTS OF LAND USES ON SOIL PROPERTIES – A SLOVAKIAN CASE STUDY**



**Payal CHOUDHARY**

Institute of Agriculture Science, Bundelkhand University, Jhansi (UP)  
**SOIL BIOLOGY FOR SUSTAINABLE AGRICULTURE AND ENVIRONMENT PROTECTION**

**Utam CHAND, Fizza BATOOL, Syeda Rahab Zahra BUKHARI**

Department of Soil and Environmental Sciences, MNS-University of Agriculture, Multan, Pakistan

**INNOVATIVE WASTE MANAGEMENT STRATEGIES TO REDUCE SOIL POLLUTION AND ENHANCE SOIL SUSTAINABILITY**

**Csaba CENTERI**

Department of Nature Conservation and Landscape Management, Institute for Wildlife Management and Nature Conservation, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary

**HETEROGENEITY OF NATURAL AREAS: A LANDSCAPE ECOLOGICAL ASPECT**

**Shreya SINGH<sup>1</sup>, Sudhanand Prasad LAL<sup>2</sup>**

<sup>1</sup>Department of Agriculture, Ramlalit Singh Mahavidyalaya, Kailhat, Chunar, Mirzapur Uttar Pradesh, India

<sup>2</sup>Department of Agricultural Extension Education, Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar, India

**AI-DRIVEN EXPERT SYSTEMS FOR CLIMATE-RESILIENT SOIL FERTILIZATION: ENHANCING DECISION SUPPORT FOR SUSTAINABLE AGRICULTURE**

**Fizza BATOOL, Syeda Rahab Zahra BHUKARI, Utam CHAND**

Department of Soil and Environmental Sciences, MNS-University of Agriculture, Multan, Pakistan

**RECYCLING INDUSTRIAL WASTE FOR SUSTAINABLE SOIL FERTILITY: A NATURAL ALTERNATIVE TO CHEMICAL FERTILIZERS**



**Oksana HNATIV**

Ivan Franko National University of Lviv, Lviv, Ukraine

**IMPACT OF FULL-SCALE WAR ON THE ENVIRONMENT:  
SOLUTIONS**

**Sumit KUMAR<sup>1</sup>, V P S PANGHAL<sup>2</sup>**

<sup>1</sup>Department of Vegetable Science, Maharana Pratap Horticultural University, Karnal

<sup>2</sup>Department of Vegetable Science, CCS Haryana Agricultural University, Hisar

**ROLE OF ORGANIC MANURES, JEEVAMRIT AND  
GHANAJEEVAMRIT ON THE YIELD OF CARROT**

**Olga DROBOTIUK<sup>1</sup>, Valeriia OSADCHUK<sup>2</sup>**

<sup>1</sup>Kyiv National Economic University named after Vadym Hetman, A. Yu. Krymskyi Institute of Oriental Studies, National Academy of Sciences of Ukraine, Kyiv, Ukraine,

<sup>2</sup>Kyiv National Economic University named after Vadym Hetman, Kultura Marketing, a digital agency, Kyiv, Ukraine

**DIGITALIZATION AS A DRIVER OF CIRCULAR ECONOMIC  
TRANSITION IN CHINA**

**Innocent Tayari MWIZERWA**

College of Environmental Science and Engineering, Donghua University, Shanghai, China

**POTENTIAL OF ELECTRIC VEHICLES FOR CLIMATE CHANGE  
MITIGATION AND ENVIRONMENTAL SUSTAINABILITY**

**Vera ALPÁR**

Department of Applied Social Sciences, Orosháza, Kodolányi University

**LAW & ECONOMY OF CIRCULAR MODELS AND SUSTAINABLE  
STRATEGIES**



15<sup>th</sup> ICEEE-2024

**Brunilda ÇUKO<sup>1</sup>, Yllka LALA<sup>1</sup>, Efigjeni KONGJIKA<sup>2</sup>, Valbona SOTA<sup>1,2</sup>**

<sup>1</sup>Department of Biotechnology, Faculty of Natural Sciences, Boulevard “Zogu I” Tirana, Albania

<sup>2</sup>Research Center of Biotechnology and Genetics, Academy of Sciences of Albania, “Murat Toptani” Promenade, Tirana, Albania

**IN VITRO MICROPROPAGATION OF PUNICA GRANATUM VAR. DEVEDISHE: A COMPARATIVE STUDY OF CONVENTIONAL METHODS AND THE ELECTIS BIOREACTOR SYSTEM**

**Shahrbanoo ABOUTALEBI<sup>1</sup>, Nasser ZARE<sup>1</sup>, Reza HAGHI<sup>2</sup>, Parisa SHEIKHZADEH<sup>1</sup>**

<sup>1</sup>Department of Plant Production and Genetics, Faculty of Agriculture and Natural Resources, University of Mohaghegh Ardabili, Ardabil, Iran

<sup>2</sup>Leibniz Institute of Plant Genetics and Crop Plant (IPK), Germany

**REGULATORY MECHANISM OF BORAGO OFFICINALIS L. UNDER CADMIUM STRESS BASED ON TRANSCRIPTOME ANALYSIS**

**M. I. ABO-YOUSEF<sup>1</sup>, E. H. ELSEIDY<sup>2</sup>, I. A. TALHA<sup>1</sup>, O. A. ELNAGAR<sup>1</sup>, W. M. ELKHOBY<sup>1</sup>**

<sup>1</sup>Rice Research Department, Field Crops Research Institute, Agriculture Research Center, Cairo, Egypt

<sup>2</sup>Agronomy Science Department, Faculty of Agriculture, Tanta University, Tanta, Egypt

**GENETIC BEHAVIOR FOR RICE YIELD AND IT IS ATTRIBUTING USING TRIPLE ANALYSIS**

**Asad ULLAH**

Khayaban-e-Jinnah Road, Johar Town, Lahore, Pakistan

**GRAPHENE, A GAME-CHANGER IN SCIENCE AND TECHNOLOGY**





15<sup>th</sup> ICEEE-2024

**Felicia Itunu WOLE-ALO<sup>1</sup>, Gbolade Evelyn AGBOMUSERIN<sup>2</sup>,  
Matthew Olalekan IYANDA<sup>3</sup>**

Federal University of Technology, Akure, Nigeria

**FACTORS AFFECTING CONSUMERS ATTITUDE TOWARDS  
LOCAL RICE PRODUCTION AND CONSUMPTION IN OGUN  
STATE, NIGERIA**

**Felicia Itunu WOLE-ALO<sup>1</sup>, Bosede Olufunmilayo  
AKINWALERE<sup>2</sup>, Gbolade Evelyn AGBOMUSERIN<sup>3</sup> and Abosede  
Adesola ADEMAKINWA<sup>4</sup>**

Federal University of Technology, Akure, Nigeria

**FACTORS AFFECTING MARKET ORIENTATION OF RICE  
FARMERS IN EKITI STATE, NIGERIA**

**Alehegn MINALE<sup>1</sup>, Dawit KFLIE<sup>2</sup>, Getamesay HAILE<sup>3</sup>**

<sup>1</sup>Jimma University, Jimma, Ethiopia

<sup>2</sup>Addis Ababa University

<sup>3</sup>Griffith University

**IMPROVING THE PERFORMANCE OF BANDWIDTH EFFICIENT  
ACKNOWLEDGEMENT BASED MULTICAST (BEAM)  
PROTOCOL IN VANET FOR URBAN ENVIRONMENT**

**Asmaa HAJ KHLIFA<sup>1,2</sup>, Halima GAMRANI<sup>1,2</sup>, Loubna  
BOUKHZAR<sup>1,2</sup>, Najib KISSANI<sup>1</sup>, Moulay Mustapha BOUYATAS<sup>1,3</sup>**

<sup>1</sup>Neurosciences, Pharmacology and Environment Team, Laboratory of Clinical, Experimental and Environmental Neurosciences, Faculty of Medicine and Pharmacy, Cadi Ayyad University, Marrakech, Morocco

<sup>2</sup>Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakesh, Morocco

<sup>3</sup>Cadi Ayyad University, Multidisciplinary Faculty of Safi, Department of Biology, Morocco

**ASSESSMENT OF THE NEUROPROTECTIVE EFFECT OF  
ONONIS NATRIX EXTRACT IN AN ACUTE MODEL OF LEAD  
EXPOSURE**



15<sup>th</sup> ICEEE-2024

**Victoria Olaoye TOLANI<sup>1</sup>, Olarewaju Kehinde TOLULOPE<sup>2</sup>**

<sup>1</sup>Department of Early Childhood and Educational Foundations, University of Ibadan, Ibadan, Nigeria

<sup>2</sup>Department of Nursing, University of Portsmouth, University House Winston Churchill Avenue, Southsea, Portsmouth, PO1 2UP

**PARENTAL INTEREST, INVOLVEMENT, AND OCCUPATIONAL IMPACT ON BASIC SCIENCE OUTCOMES IN PRIMARY EDUCATION**

**Diyan RASHID, Moazzam RIAZ, Ali RAZA, Ubaid ur REHMAN**

MNS university of agriculture, Multan, Pakistan

**CHALLENGES AND SOLUTIONS FOR PHOSPHORUS MANAGEMENT IN CALCAREOUS SOILS: IMPACTS ON CROP YIELD, FOOD SECURITY, AND SUSTAINABILITY**

**Alla NEKOS, Kateryna KHADUSKINA**

V. N. Karazin Kharkiv National University, Kharkiv, Ukraine

**DETERMINATION OF THE WATER QUALITY OF THE SMALL RIVERS OF THE SIVERSKYI DONETS BASIN**

**Katalin RUSVAI<sup>1</sup>, Noémi MISKOLCZI<sup>1</sup>, Judit HÁZI<sup>2</sup>, Szilárd CZÓBEL<sup>3</sup>**

<sup>1</sup>Institute for Wildlife Management and Nature Conservation, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary

<sup>2</sup>Department of Botany at the University of Veterinary Medicine, Budapest, Hungary

<sup>3</sup>Institute of Plant Sciences and Environmental Protection, Faculty of Agriculture, University of Szeged, Hódmezővásárhely, Hungary

**THE POTENTIAL ROLE OF WILD GAME FEEDING IN THE SPREAD OF INVASIVE ALIEN SPECIES BASED ON RELATED INTERNATIONAL AND HUNGARIAN LITERATURE**



15<sup>th</sup> ICEEE-2024

**Katalin RUSVAI<sup>1</sup>, Csaba CENTERI<sup>1</sup>, Zsolt BIRÓ<sup>2</sup>**

<sup>1</sup>Department of Nature Conservation and Landscape Management, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary

<sup>2</sup>Department of Wildlife Biology and Management, Institute for Wildlife Management and Nature Conservation, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary

**EXAMINATION OF SOIL DEGRADATION IN A HUNTING GROUND LOCATED IN A CONSTRUCTION WASTE LANDFILL SITE IN HUNGARY**

**Seboka Gobane TESHAYE<sup>1</sup>, Dama TESHAYE<sup>1</sup>, Nasim HASAN<sup>2</sup>, Ekrem YANMAZ<sup>3</sup>**

<sup>1</sup>School of Mechanical and Industrial Engineering, Institute of Technology, Addis Ababa University, Addis Ababa, Ethiopia

<sup>2</sup>Department of Mechanical Engineering, Mattu University, Mattu, Ethiopia

<sup>3</sup>Faculty of Engineering and Architecture, Department of Electrical and Electronics Engineering, Nisantasi University, Istanbul, Turkey

**CHARACTERIZATION OF COPPER OXIDE–JATROPHA OIL NANOFIUID AS A SECONDARY REFRIGERANT**



*III. Session:*

*Workshop Special Session:*

**11:00 – 12:00**

**Environmental Health and  
Climatic Change**

***12:15***

***Closing the Conference***