



24TH INTERNATIONAL SYMPOSIUM “THE ENVIRONMENT AND THE INDUSTRY”

PROGRAMME

Bucharest, Romania
September 24, 2021

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Contents

Organizers.....	4
Sponsors.....	5
Honorific Committee	6
Scientific Committee	7
Scientific Program	9

Organizers
International Symposium
“The Environment and The Industry”
E-SIMI 2021

under Honorary Patronage of:
Romanian Academy

under Coordination of:
Ministry of Research Innovation and Digitalization
Ministry of Environment, Water and Forests

Organized by:
National Research and Development Institute for Industrial Ecology – ECOIND

Co—organized by:
Romanian Society of Chemistry
Romanian Water Association
Romanian Environment Association 1998

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Scientific Program

Friday, September 24, 2021

9⁰⁰-9¹⁵

Registration of Participants

9¹⁵-9⁵⁵

Symposium Opening

Chairs: Dr. Chem. Luoana Florentina Pascu

Emeritus Prof. Dr. Eng. Gheorghita Jinescu

Prof. Dr. Eng. Cristina Orbeci

Prof. Dr. Eng. Vladimir Rojanschi

Acad. Dr. Tudor Lupascu

SIMI 2021 General Presentation

9⁵⁵-10⁰⁰

Dr. Eng. Lucian-Alexandru Constantin

National Research and Development Institute for Industrial Ecology
ECOIND

**TREATMENT OF GREYWATER FOR POTENTIAL REUSE IN A
SPORT CENTER**

Short communication

10⁰⁰-10²⁰

Prof. Dr. Asher Brenner

Unit of Environmental Engineering, Faculty of Engineering
Sciences,

Ben-Gurion University of Negev, Be'er-Sheva, Israel

**DISCOVER MORE COMPOUNDS AND CONTAMINANTS
FASTER, AND WITH GREATER PRECISION**

10²⁰-10⁴⁰

Ruxandra Subașu

SC AGILROM SCIENTIC SRL

**METHANE COMBUSTION OVER HIGHLY EFFECTIVE
COBALT-PROMOTED COPPER-CERIUM-BASED
LDH-DERIVED MIXED OXIDES CATALYSTS**

10⁴⁰-10⁵⁵

Dr. Habil. Ioan-Cezar Marcu^{1,2}

¹Laboratory of Chemical Technology and Catalysis, Department of

Organic Chemistry, Biochemistry and Catalysis, Faculty of
Chemistry, University of Bucharest

²Research Center for Catalysts and Catalytic Processes,
Faculty of Chemistry, University of Bucharest

**Short communication: LITTERED CIGARETTE BUTTS: A
SMALL-SIZED WASTE CREATING BIG-SIZED PROBLEMS**
Short communication

10⁵⁵-11¹⁵

Prof. Elefteria Psillakis

School of Environmental Engineering, Technical University of
Crete, Chania-Crete, Greece

**OCCURRENCE AND ENVIRONMENTAL RISK ASSESSMENT
OF ENDOCRINE DISRUPTORS IN THE BLACK SEA
ECOSYSTEM**

11¹⁵-11³⁰

Dr. Chem. Florentina Laura Chiriac

National Research and Development Institute for Industrial Ecology
ECOIND

**SYNTHESIS, CHARACTERIZATION, AND ANTIBACTERIAL
PROPERTIES OF ORGANOTIN(IV) POLYNUCLEAR
COMPLEXES CONTAINING DIVERGENT ORGANIC LINKERS**

11³⁰-11⁴⁵

Chem. Valentina Andreea Petre

National Research and Development Institute for Industrial Ecology
ECOIND

**GRANULAR ACTIVATED ALGAE TECHNOLOGY FOR
WASTEWATER TREATMENT AND RESOURCES RECOVERY:
THE GRAAL RECOVERY PROJECT**

11⁴⁵-12⁰⁰

Project financed by Norwegian Financial Mechanism 2014-2021
under Grant Agreement no. 27/2020 for Collaborative Research
Projects

Dr. Biol. Olga Tiron

National Research and Development Institute for Industrial Ecology
ECOIND

**PROTO-OPTO-ELECTRO-MECHANICAL HYBRID SYSTEMS
FOR GENERATION-NEXT BIONIC DEVICES (PROGENY)**

H2020-FETOPEN-2018-2020

Workshop

Introductory description of the project, Dr. Ecol. Catalina Stoica –
INCD ECOIND, Romania

12⁰⁰-12³⁰

General motivation / idea of the project, Dr. Indraneel Sen, Wasabi
Innovations Bulgaria

Brief description of partners involvement, Prof. Dr. Karl Leo,
Technische Universität Dresden (TUD) / Dr. Indraneel Sen, Wasabi
Innovations Bulgaria

Brief description of ECOIND involvement, Dr. Biol. Alina Banciu -
INCD ECOIND, Romania

Question and answers, other comments

**SCREENING OF CULTIVATION MEDIA FOR LDPE
BIODEGRADATION BY PENICILLIUM VERRUCOSUM
CNM-FP-02**

12³⁰-12⁴⁵

Dr. Biol.Olga Postolachi

Institute of Microbiology and Biotechnology, Academy of Sciences
of Moldova, Chisinau, Republic of Moldova

**IN VITRO EFFECT OF SALINITY AND PH ON FUSARIUM SP.,
THE CAUSAL AGENT OF SWEET-POTATO ROOT ROT**

12⁴⁵-13⁰⁰

Eng. Biotech.Lavinia Diana Nicoleta Barbu^{1,2}

¹Research - Development Institute for Plant Protection, 8 Ion
Ionescu de la Brad Blvd., Bucharest

²University of Agronomic Sciences and Veterinary Medicine of
Bucharest, Faculty of Biotechnology, 59 Mărăști Blvd., Bucharest

**SCREENING OF RESISTANT BACTERIA FROM HOSPITAL
EFFLUENTS WITH AN IMPACT ON THE NATURAL AQUATIC
ECOSYSTEM**

13⁰⁰-13¹⁵

Biochem. Monica Vaideanu

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**AN OVERVIEW OF METHODS USED FOR QUANTIFICATION
OF HEAVY METAL CONTENTS IN VEGETAL SAMPLES**

13¹⁵-13³⁰

Dr. Chem.Gina Vasile Scaeteanu
University of Agronomic Sciences and Veterinary Medicine, Faculty
of Agriculture, 59 Blvd. Marasti, Bucharest

**Short communication: IMPORTANCE OF “RAW MATERIALS
SUPPLY SECURITY” in SUSTAINABILITY OF DEVELOPMENT**
Can SD be achieved without Mining?
Short communication

13³⁰-13⁵⁰

Dr.Caner Zambak
Environmental Coordinator, Turkish Miners Association, Turkey
Vice-president, Balkan Environmental Association (B.EN.A.)

**GEOCHEMICAL EVALUATION OF SURFACE AND
GROUNDWATER WATERS FROM DIFFERENT PROTECTED
NATURAL AREAS FROM ROMANIA, IN THE PERSPECTIVE
OF THE QUALITY EVOLUTION IN THE PERIOD 2019-2021**

13⁵⁰-14⁰⁵

Dr. Ecol. Bogdan Stanescu
National Research and Development Institute for Industrial Ecology
ECOIND

EXPOSURE ASSESSMENT USING BIOMONITORING

14⁰⁵-14²⁰

Dr. Biotech. Andreea Cozea
National Research and Development Institute for Industrial Ecology
ECOIND

Posters Presentation and Discussions

14²⁰-14³⁰

Dr.Eng. Elena Elisabeta Manea
National Research and Development Institute for Industrial Ecology
ECOIND

14³⁰-14³⁵

SYMPOSIUM AWARDS

OFFICIAL CLOSING
