



**ECOLOGICAL UNIVERSITY OF BUCHAREST**  
**EUB-2026: 14<sup>th</sup> International Multidisciplinary Academic**  
**Conference "Ecology of XXI Century":**  
**Sustainability and New Technologies: Drivers of Economic,**  
**Social and Cultural Progress, Bucharest, April 2-4, 2026**

**THE PROGRAMME of the EUB-2026 14<sup>th</sup> International**  
**Multidisciplinary Academic Conference**  
**"Ecology of XXI Century":**

***Sustainability and New Technologies: Drivers of Economic,***  
***Social and Cultural Progress,***  
**Bucharest, April 2-4, 2026**

## **Conference Sections**

- April 2-3, 2026 – The Circular Economy – A Strategic Model for Sustainable Development and Competitiveness - Faculty of Financial Management*
- April 2-4, 2026 – Current Psychological Perspectives and Sustainable Practices in a Digitalized Society - Faculty of Psychology
- April 3, 2026 – Constitutional Principles Across Branches of Law: Contemporary Theoretical and Practical Developments - Faculty of Law
- April 3, 2026 – Signals of Change: The Environment Between Resilience and Vulnerability - Faculty of Ecology and Environmental Protection
- April 2, 2026 – From Classic Fake News to the Era of AI-Generated News - Faculty of Communication Sciences
- April 2, 2026 – Actualities and perspectives of physical education and sport sciences - Faculty of Physical Education and Sport



**Faculty of Financial Management**  
Ecological University of Bucharest *and*  
**Institute for Economic Forecasting**  
Romanian Academy



## **THE PROGRAMME OF THE SECTION:**

***The Circular Economy – A Strategic Model for Sustainable  
Development and Competitiveness***

**Organized by:**

**Faculty of Financial Management – Ecological University of Bucharest  
*and***

**Institute for Economic Forecasting – Romanian Academy**

**April 3, 2026. Bucharest, Romania**

### **SCIENTIFIC COMMITTEE**

---

**Acad. Lucian-Liviu ALBU**, Ph.D., Senior Researcher – 1, Institute for Economic Forecasting,  
Romanian Academy

**Marioara IORDAN**, Ph.D., Senior Researcher – 1, Institute for Economic Forecasting, Romanian  
Academy

**Dorin JULA**, Ph.D., Professor, Ecological University of Bucharest, *and* Senior Researcher – 1,  
Institute for Economic Forecasting, Romanian Academy

**Nicoleta JULA**, Ph.D., Professor, Faculty of Economic Sciences, *Nicolae Titulescu* University of  
Bucharest

**Ciprian-Antoniade ALEXANDRU-CARAGEA**, Ph.D., Senior Lecturer, Faculty of Financial  
Management, Ecological University of Bucharest

**Oana CHINDRIȘ-VĂSIOIU**, Ph.D., Senior Researcher, Institute of World Economy, Romanian  
Academy

**Arina MIRCEA**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University  
of Bucharest

**Mădălina TOCAN**, Ph.D., Senior Researcher, Institute for World Economy, Romanian Academy  
*and* Senior Lecturer, Faculty of Financial Management, Ecological University of  
Bucharest

**Valentin SCARLAT**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological  
University of Bucharest

**Carmen-Doina UNGUREANU**, Ph.D., Senior Lecturer, Faculty of Financial Management,  
Ecological University of Bucharest

**Mariana CIUVICĂ-ENUȘI**, Ph.D., Lecturer, Faculty of Financial Management, Ecological  
University of Bucharest

**Mariana PAJA**, Ph.D., Lecturer, Faculty of Financial Management, Ecological University of  
Bucharest

**Cristian PANĂ**, Ph.D., Lecturer, Faculty of Financial Management, Ecological University of  
Bucharest



**Faculty of Financial Management**  
Ecological University of Bucharest *and*  
**Institute for Economic Forecasting**  
Romanian Academy



## **ORGANIZING COMMITTEE**

---

**Ciprian-Antoniade ALEXANDRU-CARAGEA**, Vice-Rector, Ecological University of Bucharest

**Carmen-Doina UNGUREANU**, Dean, Faculty of Financial Management

**Marioara IORDAN**, Vice-Director, Institute for Economic Forecasting, Romanian Academy

**Dorin JULA**, Ecological University of Bucharest, Faculty of Financial Management *and* Institute for Economic Forecasting, Romanian Academy

**Arina MIRCEA**, Ecological University of Bucharest, Faculty of Financial Management

**Isabelle Margareta OPREA**, Institute for Economic Forecasting, Romanian Academy

**Floarea ZAMFIR (BĂJAN)**, master's student, Ecological University of Bucharest, Faculty of Financial Management

## **CONFERENCE PROGRAMME**

**Venue: Ecological University of Bucharest, Building A - Room 1.01**

**Adress: Blvd. Doina Cornea no.1G, Sector 6, 061341, Bucharest**

---

### **April 2, 2026 Programme**

---

10:00 – 10:30 **Registration**

---

10:30 – 11:00 **Opening ceremony.**

#### **Welcoming speeches:**

**Ciprian-Antoniade ALEXANDRU-CARAGEA**, Vice-Rector, Ecological University of Bucharest

**Marioara IORDAN**, Vice-Director, Institute for Economic Forecasting, Romanian Academy

**Carmen-Doina UNGUREANU**, Dean, Faculty of Financial Management

---

11:00 – 11:15 **Keynote Speaker:**

**Oana CHINDRIȘ-VĂSIOIU**, Ph.D., Senior Researcher, Institute for World Economy, National Institute for Economic Research, Romanian Academy

#### **CIRCULAR ECONOMY APPROACHES FOR A SUSTAINABLE FUTURE**

---

11:15 – 11:45 **Coffee Break**

---



**Faculty of Financial Management**  
Ecological University of Bucharest *and*  
**Institute for Economic Forecasting**  
Romanian Academy



## SESSION 1

**April 2, 2026, 12:30 – 16:45, Room A-1.01**

---

Chairs: **Acad. Lucian-Liviu ALBU**, Ph.D., Senior Researcher – 1, Institute for Economic Forecasting, Romanian Academy  
**Ciprian-Antoniade ALEXANDRU-CARAGEA**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University of Bucharest  
**Oana CHINDRIȘ-VĂȘIOIU**, Ph.D., Senior Researcher, Institute for World Economy, National Institute for Economic Research, Romanian Academy

---

### **KUZNETS CURVE VERSUS ENTROPY LAW IN ECONOMIC SYSTEM**

**Acad. Lucian-Liviu ALBU**, Ph.D., Senior Researcher – 1, Institute for Economic Forecasting, Romanian Academy

### **MODERN BIOTECHNOLOGIES AND THE NEW EU BIOECONOMY STRATEGY**

**Raluca-Ioana IORGULESCU**, Ph.D., Senior Researcher, Institute for Economic Forecasting, Romanian Academy

**John M. POLIMENI**, Associate Professor at the *Albany College of Pharmacy and Health Sciences*, Albany, United States

### **DATA-DRIVEN CIRCULAR ECONOMY: LEVERAGING MULTI-SOURCE DATA AND REPRODUCIBLE ANALYTICS FOR SUSTAINABLE POLICY DESIGN**

**Ciprian-Antoniade ALEXANDRU-CARAGEA**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University of Bucharest

### **THE NONLINEAR RELATIONSHIP BETWEEN INFLATION AND WEALTH INEQUALITY IN THE EUROPEAN UNION. THE ROLE OF SELF-EMPLOYMENT AND CREDIT**

**Mihaela SIMIONESCU**, Ph.D., Senior Researcher 1, Institute for Economic Forecasting, Romanian Academy and Professor, Faculty of Business and Administration, University of Bucharest

### **EUROPEAN POLICIES FOR THE CIRCULAR ECONOMY AND THEIR IMPLEMENTATION ACROSS MEMBER STATES**

**Dalina-Maria ANDREI**, Ph.D., Senior Researcher, Institute for Economic Forecasting, Romanian Academy



**Faculty of Financial Management**  
Ecological University of Bucharest *and*  
**Institute for Economic Forecasting**  
Romanian Academy



### **SHIFTING STRUCTURES AND RISING COMPETITIVENESS: THE EVOLUTION OF RENEWABLE ENERGY RESEARCH IN EUROPE**

**Cristina Georgiana ZELDEA**, Ph.D., Researcher, Institute for Economic Forecasting, Romanian Academy

**Marioara IORDAN**, Ph.D., Senior Researcher 1, Institute for Economic Forecasting, Romanian Academy

**Emilia Mary BĂLAN**, Ph.D., Senior Researcher, Institute for World Economy, Romanian Academy

### **CIRCULAR ECONOMY DEVELOPMENTS IN THE ROMANIAN BUSINESS SYSTEM**

**Marioara IORDAN**, Ph.D., Senior Researcher 1, Institute for Economic Forecasting, Romanian Academy

**Mihaela-Nona CHILIAN**, Ph.D., Senior Researcher, Institute for Economic Forecasting, Romanian Academy

### **ASSESSING PRODUCTIVITY, RESILIENCE AND COMPETITIVENESS IN THE EU. A CIRCULAR ECONOMY PERSPECTIVE**

**Alexandra CIUCU**, Ph.D., Researcher, Institute for Economic Forecasting, Romanian Academy

**Marioara IORDAN**, Ph.D., Senior Researcher, Institute for Economic Forecasting, Romanian Academy

**Diana-Elena POPESCU**, Ph.D., Bucharest University of Economic Studies

**Raluca-Ioana IORGULESCU**, Ph.D., Senior Researcher, Institute for Economic Forecasting, Romanian Academy

### **GREEN MARKETING IN THE CONTEXT OF THE CIRCULAR ECONOMY: OPPORTUNITIES FOR COMPETITIVENESS AND SUSTAINABILITY**

**Valeria Arina MIRCEA**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University of Bucharest

### **CIRCULAR MARKETING: A NEW PARADIGM FOR COMPETITIVENESS AND SUSTAINABILITY**

**Valeria Arina MIRCEA**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University of Bucharest



**Faculty of Financial Management**  
Ecological University of Bucharest *and*  
**Institute for Economic Forecasting**  
Romanian Academy



### **MODELLING THE RELATIONSHIP BETWEEN PRIVATE INVESTMENT AND GROSS VALUE ADDED IN CIRCULAR ECONOMY SECTORS**

**Dorin JULA**, Ph.D., Professor, Faculty of Financial Management, Ecological University of Bucharest, and Senior Researcher - 1, Institute for Economic Forecasting, Romanian Academy

**Nicoleta JULA**, Ph.D., Professor, Faculty of Economic Sciences, *Nicolae Titulescu* University of Bucharest

### **OKUN'S LAW IN SECTORAL STRUCTURES**

**Nicolae-Marius JULA**, Ph.D., Senior Lecturer, Faculty of Business and Administration, University of Bucharest

**Nicoleta JULA**, Professor, Ph.D., Faculty of Economic Sciences, *Nicolae Titulescu* University of Bucharest

### **MIGRATION ANALYSIS IN REGIONAL STRUCTURES**

**Nicoleta JULA**, Professor, Ph.D., Faculty of Economic Sciences, *Nicolae Titulescu* University of Bucharest

**Nicolae-Marius JULA**, Ph.D., Senior Lecturer, Faculty of Business and Administration, University of Bucharest

### **THE CIRCULAR ECONOMY MODEL NAVIGATING BETWEEN THE OBJECTIVES OF SUSTAINABILITY AND COMPETITIVENESS**

**Georgeta ILIE**, Ph.D., Senior Researcher, Institute for World Economy, Romanian Academy *and* Professor, Faculty of Business, *Dimitrie Cantemir* Christian University of Bucharest

**Anda Nicoleta ONEȚIU**, Ph.D., Lecturer, Faculty of Educational Sciences, *Dimitrie Cantemir* Christian University of Bucharest

### **INDUSTRIAL RECONFIGURATION AND ROMANIA'S COMPETITIVENESS: DIRECTIONS, CHALLENGES, AND PERSPECTIVES**

**Mădălina TOCAN**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University of Bucharest *and* Senior Researcher, Institute for World Economy, Romanian Academy.



**Faculty of Financial Management**  
Ecological University of Bucharest *and*  
**Institute for Economic Forecasting**  
Romanian Academy



### **GLOBAL GRAIN MARKET PERSPECTIVES**

**Mădălina TOCAN**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University of Bucharest and Senior Researcher, Institute for World Economy, Romanian Academy.

**Emilia MANOLE**, Ph.D., Senior Researcher, Institute for World Economy, Romanian Academy

### **THE IMPACT OF THE EU DEFORESTATION REGULATION (EUDR) ON THE INTERNATIONAL COFFEE MARKET**

**Odette MARINACHE**, Ph.D., Scientific Researcher, Institute of World Economy, Romanian Academy

---

16:45 – 17:00 **Coffee Break**

---



**Faculty of Financial Management**  
Ecological University of Bucharest *and*  
**Institute for Economic Forecasting**  
Romanian Academy



## SESSION 2

**April 2, 2026, 17:00 – 19:00, Room A-1.01**

---

Chairs: **Carmen UNGUREANU**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University of Bucharest  
**Marioara IORDAN**, Ph.D., Senior Researcher 1, Institute for Economic Forecasting, Romanian Academy

---

### **THE GLOBAL COMMODITY MARKET BETWEEN OPPORTUNITY AND UNCERTAINTY**

**Oana CHINDRIȘ-VĂSIOIU**, Ph.D., Senior Researcher, Institute for World Economy, Romanian Academy

**Emilia MANOLE**, Ph.D., Senior Researcher, Institute for World Economy, Romanian Academy

### **THE ROLE OF DIGITAL SERVICES IN SUPPORTING THE GLOBAL VALUE CHAINS**

**Georgeta ILIE**, Ph.D., Senior Researcher, Institute for World Economy, Romanian Academy

### **ARTIFICIAL INTELLIGENCE AND SUSTAINABLE DEVELOPMENT: GLOBAL OPPORTUNITIES AND CHALLENGES**

**Brindușa Mihaela RADU**, Ph.D., Senior Researcher, Institute for Economic Forecasting, Romanian Academy

### **THE TRANSITION OF THE ROMANIAN ENERGY SYSTEM TOWARDS RENEWABLE ENERGY SOURCES**

**Gabriela BILEVSKY**, Ph.D., Senior Researcher, Institute for Economic Forecasting, Romanian Academy

### **METHODS FOR DETERMINING TRANSFER PRICES ACCORDING TO OECD GUIDELINES**

**Carmen UNGUREANU**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University of Bucharest

### **THE IMPACT OF FISCAL POLICY ON THE BUDGET DEFICIT: THE CASE OF ROMANIA.**

**Cristian PANĂ**, Ph.D., Lecturer, Faculty of Financial Management, Ecological University of Bucharest

**Valeria Arina MIRCEA**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University of Bucharest



**Faculty of Financial Management**  
**Ecological University of Bucharest *and***  
**Institute for Economic Forecasting**  
**Romanian Academy**



**INTEGRATING ENVIRONMENTAL OBJECTIVES INTO BUDGETARY POLICY: THE CASE FOR GREEN PUBLIC FINANCE.**

**Cristian PANĂ**, Ph.D., Lecturer, Faculty of Financial Management, Ecological University of Bucharest

**Oana CHINDRIȘ-VĂSIOIU**, Ph.D., Senior Researcher, Institute for World Economy, Romanian Academy

**THE BUDGET DEFICIT – A CONSEQUENCE OF DECISION-MAKING ARCHITECTURE**

**Mariana PAJA**, Ph.D., Lecturer, Faculty of Financial Management, Ecological University of Bucharest

**WASTED EXTERNAL FINANCING: A CRISIS OF GOVERNMENT EFFICIENCY**

**Mariana PAJA**, Ph.D., Lecturer, Faculty of Financial Management, Ecological University of Bucharest

**ECONOMIC AND FINANCIAL ANALYSIS OF PROVISIONS IN ROMANIAN KNOWLEDGE-BASED SMES**

**Mariana CIUVICĂ-ENUȘI**, Ph.D., Lecturer, Faculty of Financial Management, Ecological University of Bucharest

**CREDIT RISK**

**Valentin SCARLAT**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University of Bucharest



**Faculty of Financial Management**  
Ecological University of Bucharest *and*  
**Institute for Economic Forecasting**  
Romanian Academy



### SESSION 3

**April 3, 2026, 12:00 – 14:00, Room A-1.01**

---

Chairs: **Dorin JULA**, Ph.D., Senior Researcher, Institute of Economic Forecasting, Romanian Academy *and* Professor, Faculty of Financial Management, Ecological University of Bucharest

**Isabelle Margareta OPREA**, Ph.D. Student, Romanian Academy, School of Advanced Studies of the Romanian Academy, Doctoral School of Economic Sciences, National Institute for Economic Research "Costin C. Kirițescu", Institute for Economic Forecasting

---

#### **TAX EVASION AS A FORM OF ECONOMIC CRIME. ECONOMIC COSTS AND DEVELOPMENT IMPLICATIONS**

**Ioan BULZ**, Ph.D. Student, Romanian Academy, School of Advanced Studies of the Romanian Academy, Doctoral School of Economic Sciences, National Institute for Economic Research "Costin C. Kirițescu", Institute for Economic Forecasting

#### **BATTERY ENERGY STORAGE SYSTEMS IN RENEWABLE ENERGY COMMUNITIES: IMPACTS ON GRID RESILIENCE, RENEWABLE INTEGRATION AND ECONOMIC PERFORMANCE**

**Sorin OPREA**, Ph.D. Student, Romanian Academy, School of Advanced Studies of the Romanian Academy, Doctoral School of Economic Sciences, National Institute for Economic Research "Costin C. Kirițescu", Institute for Economic Forecasting

#### **MACROECONOMIC EFFECTS OF WIDESPREAD INTERNET PENETRATION**

**Ana-Maria PECA (OPREA)**, Ph.D. Student, Romanian Academy, School of Advanced Studies of the Romanian Academy, Doctoral School of Economic Sciences, National Institute for Economic Research "Costin C. Kirițescu", Institute for Economic Forecasting

**Isabelle Margareta OPREA**, Ph.D. Student, Romanian Academy, School of Advanced Studies of the Romanian Academy, Doctoral School of Economic Sciences, National Institute for Economic Research "Costin C. Kirițescu", Institute for Economic Forecasting



**A REGIONAL PERSPECTIVE ON THE TECHNOLOGICAL PARADOX: WHY DIGITAL BANKING NEEDS LOCAL EDUCATION TO DRIVE GROWTH**

**Maria-Magdolna MACULA**, Ph.D. Student, Romanian Academy, School of Advanced Studies of the Romanian Academy, Doctoral School of Economic Sciences, National Institute for Economic Research "Costin C. Kirițescu", Institute for Economic Forecasting

**Isabelle Margareta OPREA**, Ph.D. Student, Romanian Academy, School of Advanced Studies of the Romanian Academy, Doctoral School of Economic Sciences, National Institute for Economic Research "Costin C. Kirițescu", Institute for Economic Forecasting

**PUBLIC – PRIVATE PENSION FUNDS SYNERGY. STUDY OF THE SEVENTH DAY ADVENTIST CHURCH PENSION HOUSE CASE**

**Marius-Robert GEORGESCU**, Ph.D. Student, Romanian Academy, School of Advanced Studies of the Romanian Academy, Doctoral School of Economic Sciences, National Institute for Economic Research "Costin C. Kirițescu", Institute for Economic Forecasting

**SOME CORE APPROACHES TO MACROECONOMIC MODELLING**

**Chiril BABINCIUC**, Ph.D. Student, Romanian Academy, School of Advanced Studies of the Romanian Academy, Doctoral School of Economic Sciences, National Institute for Economic Research "Costin C. Kirițescu", Institute for Economic Forecasting

**EARLY LEAVERS FROM EDUCATION AND TRAINING**

**Mihaela-Eugenia VASILACHE**, Ph.D, Professor, "Grigore Moisil" National College Onesti

**ANALYSIS OF FINANCIAL MANAGEMENT WITHIN THE PNRR AFFORESTATION PROJECT IN GRĂDIȘTEA, CĂLĂRAȘI COUNTY**

**Carmen UNGUREANU**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University of Bucharest

**Victor FICIUC**, master's student, Financial Management of the Environment Programme, Faculty of Financial Management, Ecological University of Bucharest

**THE INFLUENCE OF PLASTIC PACKAGING ON ECOSYSTEMS AND POPULATION HEALTH**

**Carmen UNGUREANU**, Ph.D., Senior Lecturer, Faculty of Financial Management, Ecological University of Bucharest

**Dana MIRCEA**, master's student, Financial Management of the Environment Programme, Faculty of Financial Management, Ecological University of Bucharest