





**EURO  
INVENT**  
13 EDITION  
EUROPEAN EXHIBITION OF  
CREATIVITY AND INNOVATION

**2021**

**ONLINE**

**IAȘI - ROMÂNIA**



MINISTERUL  
CERCETĂRII,  
INOVĂRII ȘI  
DIGITALIZĂRII

# DIPLOMA OF SILVER MEDAL

is awarded to:

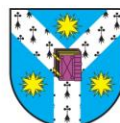
**Assembly for cryogenic cooling and gas condensation / solidification**

Dobrin Ion, Dumitru George, Dobrin Andrei, Enache Dan, Pinteș Radu, Popovici Iuliu Romeo, Djourelou N., Leca V., Dinescu D.

President of International Jury  
Prof.Dr.Eng. Mohd Mustafa Al Bakri ABDULLAH

President of Exhibition  
Prof.Dr. Ion SANDU

May 22, 2021





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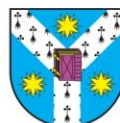
**Zinc oxide - three-dimensional graphene network hybrid composite  
material and process for obtaining the same**

**Banciu Cristina Antonela, Băra Adela, Chițanu Elena, Ion Ioana, Teișanu  
Aristofan Alexandru, Marinescu Virgil Emanuel**

President of International Jury  
Prof.Dr.Eng. Mohd Mustafa Al Bakri ABDULLAH

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# DIPLOMA OF GOLD MEDAL

is awarded to:

**Graphene material for supercapacitors and process for obtaining the same**

Băra Adela, Banciu Cristina Antonela, Iordoc Mihai Nicolae, Prioteasa Paula  
Ionela, Marinescu Virgil Emanuel

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# DIPLOMA OF GOLD MEDAL

is awarded to:

**Inertial device for energy storage and protection  
of local micro-grid power supply**

**Ilie Cristinel Ioan, Mihaiescu Gheorghe Mihai, Chiriță Ionel, Nicolaie Sergiu,  
Tănase Nicolae, Popa Marius, Popescu Mihail**

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# DIPLOMA OF GOLD MEDAL

is awarded to:

**Realization Process of an Inductor for Permanent Magnets Synchronous  
Motor with Self-Starting**

Popescu Mihail, Kappel Wilhelm, Nicolaie Sergiu, Mihăiescu Gheorghe Mihai

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# DIPLOMA OF SILVER MEDAL

is awarded to:

**$\gamma$ -Fe<sub>2</sub>O<sub>3</sub> – biocompatible polymer nanocomposite**

Georgescu Gabriela, Mălăeru Teodora, Enescu Elena, Pătroi Eros-Alexandru,  
Marinescu Virgil Emanuel, Sbârcea Beatrice-Gabriela

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is awarded to:

**Silver nanoparticles with narrow dimensional  
dispersion and their manufacturing method**

Lungulescu Eduard-Marius, Setnescu Radu, Lupu Ana-Maria, Nicula Nicoleta  
Oana, Mateescu Carmen, Ducu Robert, Ion Ioana

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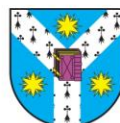
**Process of algal biomass enzymatic pretreatment used for biogas production**

Mateescu Carmen, Nicula Nicoleta Oana, Lungulescu Eduard-Marius,  
Török Liliana Paraschiva, Török Zsolt

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is awarded to:

**Piezoelectrically actuated linear positioning  
system for standardized guideways**

Ovezea Dragoș, Tănase Nicolae, Chiriță Ionel, Guțu Mihai, Ilie Cristinel Ioan,  
Popa Marius, Nedelcu Adrian

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is awarded to:

**Electroconductive composite with thermal self-regulating  
effect and its manufacturing method**

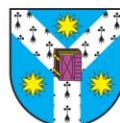
**Setnescu Radu, Caramitu Alina, Lungulescu Eduard Marius,  
Mitrea Sorina, Băra Adela, Stancu Nicolae**



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is awarded to:

## Electromagnet for Digital Hydraulics

Tănase Nicolae, Mihăiescu Gheorghe Mihai, Nicolaie Sergiu, Chiriță Ionel, Ilie  
Cristinel Ioan, Lipcinski Daniel, Ovezea Dragoș, Nedelcu Adrian, Popa Marius

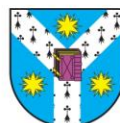
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is awarded to:

**Thermoelectric generator of high power and efficiency, pulsating operation**

Nedelcu Marin, Teișanu Alexandru Aristofan, Iordoc Mihai Nicolae,  
Prioteasa Paula Ionela

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