PARTNER PRESENTATION AND INTEREST IN HORIZON EUROPE PARTICIPATION

NANOM MEMS SRL - PROJECTS AND ACHIEVEMENTS - NEW RESEARCH OPPORTUNITIES

Projects:

NANOM MEMS srl –INCD FM Joint Research Project, -"**Multifunctional Intelligent Materials for High Tech Applications**" 2018-2021

Valorificarea unor noi tinte terapeutice in boala Alzheimer si patologii neurodegenerative asociate " Contract Eureka nr. 63/ 2018 2018-2024

VOC-DETECT- "Smart Portable System for VOCs detection

Ctr.112/2019

"**PHEMTRONICS**" - a H2020 FETO   PEN Project (2020-2023)

"Capitalization of magnetic nanoparticles in the development of a micro-magnetic device", Contract No. 522PED/2020 - 2020-2022

Platformă analitică microfluidică nanostructurată pentru detecția duală SERS-electrochimică a unor poluanți emergenți ai mediului POLSENS
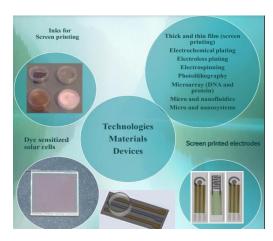
Contr. RO-NO Nr. 32/2020 - 2020-2023

TECHNOLOGIES
- **Thick and thin film (screen printing and inkjet printing)**
- **Electrochemical plating**
- **Electroless plating**
- **Electrospinning**
- **Photolithography**
- **Microarray (DNA and protein)**
- **Micro and nanofluidics**
- **Digital microfluidics**
- **Micro and nanosystems**
- **Supercritical fluid processing**
- **Laser processing**
- **Hybrid integration**

MATERIALS
- Thick and thin film inks
- Ceramic components
- Metallic powders
- Carbon components
- Conducting polymers
- Micro and nanofibers
- Organic/inorganic and Biochemical compounds

DEVICES
- DS solar cells
- Screen printed electrodes
- Sensors and biosensors
- MEMS and BioMEMS

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Reference of Call/ topic of interest:
New materials, technologies and devices
Potential contribution/ main ideas:
- Complete experience of research, new materials and process development to scale production of passive and active microdevices fabrication
- Fast transition from IP review and technology radar to novel concept development.