



## ***Diplome, distinctii la saloane de INVENTII***

1. A. Craciun, T. Dascalu. Participare (online) la cea de-a XIX-a ediție a Salonului Cercetării Științifice, Inovării și Inventicii PROINVENT 2021, 20-22 oct. 2021, Cluj-Napoca cu propunerea de brevet "Sistem Optic pentru Generarea de Fascicule Vectoriale," European patent application EP 3809188 A1 / 15.10.2020. Prezentarea a fost premiata cu "Medalie de aur".
2. Diploma Gold Metal; Method for obtaining pressure sensors based on thin films of ecological lead-free piezoelectric material  $(\text{Ba}_{1-x}\text{Ca}_x)(\text{Zr}_y\text{Ti}_{1-y})\text{O}_3$  deposited by pulsed laser deposition; Nicu Doinel Scarisoreanu, Nicoleta Enea, Cristian Viespe, Valentin Ion, Euroinvent 13 Edition European Exhibition of Creativity and Innovation 2021.
3. Diploma of Excellence; Heterostructures based on inorganic perovskites for photoelectrochemical applications; Florin Andrei, Nicu Scarisoreanu, Valentin Ion, Maria Dinescu, Euroinvent 13 Edition European Exhibition of Creativity and Innovation 2021.
4. Medalie aur, PRO INVENT, Cluj-Napoca, 2021, MICRO-GANTRY – Tomograf gantry de raze x compact mobil
5. Medalie de argint, Elisa Mihail, Iordache Stefan Marian, Sava Bogdan Alexandru, Boroica Lucica, Kuncser Victor, Galca Aurelian Catalin, cerere de brevet: A/00752/19.11.2020 "Phosphate-tellurite vitreous materials with magnetic and magneto-optical properties, for Faraday rotators and the process for obtaining them", The 25th International Exhibition of Inventions "INVENTICA 2021", 23 – 25 iunie 2021, Iasi, Romania



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6. Marele premiu al Juriului si medalie de aur, Vasiliu Ileana Cristina, Iordache Ana Maria, Elisa Mihail, Pana Iulian, Sava Bogdan Alexandru, Boroica Lucica, Filip Ana Violeta, „Filme pe bază de oxid de titan ( $TiO_2$ ) si fosfor ( $P_2O_5$ ) modificate cu oxid de grafenă redus (rGO) cu proprietati fotocatalitice controlabile și procedeu de obținere a acestora”, A/00342/17.06.2021, Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT, Cluj Napoca, 20-22 octombrie 2021

7. Medalie de aur, Elisa Mihail, Iordache Stefan Marian, Sava Bogdan Alexandru, Boroica Lucica, Kuncser Victor, Galca Aurelian Catalin, „Materiale vitroase fosfato-teluritice cu proprietăți magnetice și magneto-optice, pentru rotatori Faraday și procedeu de obținere a acestora”, A/00752/19.11.2020, Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT, Cluj Napoca, 20-22 octombrie 2021

8. Medalie de argint, Sava Bogdan Alexandru, Boroica Lucica, Filip Ana Violeta, Vasiliu Ileana Cristina, Elisa Mihail, Iordache Ana Maria, „Compozite din sticle boro-plumbo-fosfatice dopate și nanocarbon și procedeu de obținere a acestora”, A/00379/30.06.2021, Salonul International al Cercetarii Stiintifice, Inovarii si Inventicii PRO INVENT, Cluj Napoca, 20-22 octombrie 2021

9. Medalie de argint, Mihail Elisa, Bogdan Alexandru Sava, Lucica Boroica, Raluca Iordanescu, Ionut Feraru, Mihai Eftimie, Anca Beldiceanu, „Sticle aluminofosfatice care contin ioni de pamanturi rare, utilizate ca senzori optici, si procedeu de obtinere a acestora”, RO 130686 B1, 30/07/2019, Salonul Inovarii si Cercetarii UGAL INVENT, Galati, 10-12 noiembrie 2021



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10. Medalie de argint, Sava Bogdan Alexandru, Boroica Lucica, Sava Mihai, Elisa Mihail, „Fertilizant fosfato-potasic vitros și procedeu de obținere a acestuia”, RO 128736 B1, 28/09/2018, Salonul Inovarii si Cercetarii UGAL INVENT, Galati, 10-12 noiembrie 2021

11. Medalie de bronz, Sava Bogdan Alexandru, Boroica Lucica, Filip Ana Violeta, Vasiliu Ileana Cristina, Elisa Mihail, Iordache Ana Maria, „Compozite din sticle boro-plumbo-fosfatice dopate și nanocarbon și procedeu de obținere a acestora”, A/00379/30.06.2021, Salonul Inovarii si Cercetarii UGAL INVENT, Galati, 10-12 noiembrie 2021

12. Medalie de aur, Elisa Mihail, Iordache Stefan Marian, Sava Bogdan Alexandru, Boroica Lucica, Kuncser Victor, Galca Aurelian Catalin, „Materiale vitroase fosfato-teluritice cu proprietăți magnetice și magneto-optice, pentru rotatori Faraday și procedeu de obținere a acestora”, A/00752/19.11.2020, Expozitia internationala specializata INFOINVENT, Chisinau, Republica Moldova, 17-20 noiembrie 2021

13. Medalie de bronz, Sava Bogdan Alexandru, Boroica Lucica, Filip Ana Violeta, Vasiliu Ileana Cristina, Elisa Mihail, Iordache Ana Maria, „Compozite din sticle boro-plumbo-fosfatice dopate și nanocarbon și procedeu de obținere a acestora”, A/00379/30.06.2021, Expozitia internationala specializata INFOINVENT, Chisinau, Republica Moldova, 17-20 noiembrie 2021

14. Medalie de bronz, Vasiliu Ileana Cristina, Iordache Ana Maria, Elisa Mihail, Pana Iulian, Sava Bogdan Alexandru, Boroica Lucica, Filip Ana Violeta, „Filme pe bază de oxid de titan ( $TiO_2$ ) si fosfor ( $P_2O_5$ ) modificate cu oxid de grafenă redus (rGO) cu proprietati fotocatalitice controlabile și procedeu de obținere a acestora”, A/00342/17.06.2021, Expozitia internationala specializata INFOINVENT, Chisinau, Republica Moldova, 17-20 noiembrie 2021



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15. SILVER MEDAL, Process for experimental realization of Ag/SiO<sub>2</sub> multilayer by optimized thin film depositions for metamaterial applications, Petronela GAROI, Cristian VIESPE, Florin GAROI, Valentin CRĂCIUN , EUROINVENT 13th European Exhibition of Creativity and Innovation Iasi, Romania, 20-21 May 2021

16. SILVER MEDAL, Rapid heating/cooling process applied to doped transparent contacts used in chalcogenide solar cells, Petronela GAROI, Cristian VIESPE, Doina CRĂCIUN, Florin GAROI, Valentin CRĂCIUN, The 25th International Exhibition of Inventions "INVENTICA 2021" Iasi, Romania

17. Diploma of Excellence, Silver Medal, Cristina Mihaela Achim, Ana-Maria Bratu, Mioara-Elena Bercu, Dan Constantin Dumitras, Doru Constantin Adrian Dutu., A Process for the Analysis of Ethylene from Gas Mixtures, to the XXV-th International Exhibition of Inventions: Inventica 2021, Iasi, Romania, 23-25 June 2021.

18. HPTLC densitometry method for the analysis of irradiated thioridazine solutions based on laser-induced fluorescence and fluorescence lifetime characterization, T. Tozar, M. Boni, I.R. Andrei, A. Staicu , M.L. Pascu (Patent application No. A/00120 from 18.03.2021, at INVENTICA 2021, Iasi, Romania, 23-25 June 2021

SILVER MEDAL

19. HPTLC densitometry method for the analysis of irradiated thioridazine solutions based on laser-induced fluorescence and fluorescence lifetime characterization, T. Tozar, M. Boni, I.R. Andrei, A. Staicu , M.L. Pascu (Patent application No. A/00120 from 18.03.2021), 13th European Exhibition of Creativity and Innovation, Iasi, Romania, 20-21 May 2021

BRONZE MEDAL

20. Process for obtaining superhydrophobic materials by laser ablation, Urzica Iuliana, Simon Agota, Udrea Cristian, Logofatu Petre Catalin, Pascu Mihail Lucian, (Patent application No. A/00475 from 02.03-8.2019, at INVENTICA 2021, Iasi, Romania, 23-25 June 2021  
SILVER MEDAL

21. Process for obtaining superhydrophobic materials by laser ablation", Urzica Iuliana, Simon Agota, Udrea Cristian, Logofatu Petre Catalin, Pascu Mihail Lucian, (Patent application No. A/00475 from 02.03-8.2019, at EUROINVENT 2021, Iasi, Romania, 22 May, 2021  
BRONZE MEDAL

22. Process for obtaining superhydrophobic materials by laser ablation", Urzica Iuliana, Simon Agota, Udrea Cristian, Logofatu Petre Catalin, Pascu Mihail Lucian, (Patent application No. A/00475 from 02.03-8.2019, at EUROINVENT 2021, Iasi, Romania, 22 May, 2021  
GOLD MEDAL

23. Process for obtaining superhydrophobic materials by laser ablation", Urzica Iuliana, Simon Agota, Udrea Cristian, Logofatu Petre Catalin, Pascu Mihail Lucian, (Patent application No. A/00475 from 02.03-8.2019, at EUROINVENT 2021, Iasi, Romania, 22 May, 2021  
EXCELLENCE INNOVATION AWARD

24. Diploma of Excellence Silver Medal; Autori: Cornelia Enache, Cristian Viespe; Titlu: Obtaining procedure of SnO<sub>2</sub> photoelectrodes using picosecond laser with dye sensitized solar cells applications; XXVth International Exhibition of Inventics, INVENTICA 2021, 23-25 June 2021, Iasi, Romania;
25. Diploma of Excellence Silver Medal; Autori: Dana Maria Miu, Cristian Viespe, Izabela Constantinoiu; Titlu: Love Wave Surface Acoustic Wave Sensor based on Nanoporous Gold; XXVth International Exhibition of Inventics, INVENTICA 2021, 23-25 June 2021, Iasi, Romania;
26. Diploma of Gold Medal; Autori: Dana Maria Miu, Cristian Viespe, Izabela Constantinoiu; Titlu: Love Wave Surface Acoustic Wave Sensor based on Nanoporous Gold; EUROINVENT 13 edition European Exhibition of Creativity and Innovation 2021, Iasi, Romania.
27. Gianina Popescu-Pelin: Best Poster Award pentru lucrarea „Pulsed laser deposited bi-phasic calcium phosphate implant coatings fabricated from fish bones” prezentată la 2021 International Conference on Materials: Advanced and Emerging Materials (sciforum-054742).
28. EUROINVENT, European Exhibition of Creativity and Innovation 2021
29. International Exhibition of Inventics INVENTICA 2021, Iasi, Romania
30. 13<sup>th</sup> edition of EUROINVENT – European Exhibition of Creativity and Innovation, Iasi, Romania, 20-22 May 2021