

**Catre**  
**SOCIETATEA ROMANA DE FIZICA**

**CERERE**

Subsemnata Monica Magureanu, doctor in fizica, CS I in Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei, doresc sa-mi depun candidatura pentru functia de presedinte la Sectiunea Fizica Plasmei. Atasez CV si plan managerial.

30.03.2022

Monica Magureanu



## PERSONAL INFORMATION:

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**Name: Monica MAGUREANU**

Date and place of birth, nationality: 14.10.1972, Bucharest, Romanian

Affiliation: National Institute for Lasers, Plasma and Radiation Physics (NILPRP),

Atomistilor Str. 409, PO Box MG-36, 077125 Magurele-Bucharest, Romania

Phone: +40766457701; e-mail: monica.magureanu@inflpr.ro, monimag@gmail.com

## PROFILE:

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Main research topics: Plasma physics, Non-thermal plasma generated in electrical discharges at atmospheric pressure for environmental applications (gas and water treatment), plasma chemistry, plasma treatment of seeds, plasma treatment of materials

## EDUCATION:

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1999- Institute for Low Temperature Plasma Physics (INP), Ernst-Moritz-Arndt-Universitaet Greifswald,  
2002 Germany

Degree: Doctor in Natural Sciences – Experimental Physics

Title of Thesis: “Methane conversion into higher hydrocarbons in a microwave plasma”

1996- University of Bucharest, Faculty of Physics, Department of Optics, Spectroscopy, Plasma and Lasers

1997 Degree: Master of Sciences

Title of Thesis: “Interaction of electron beams with high temperature superconductors”

1991- University of Bucharest, Faculty of Physics

1996 Degree: Bachelor of Science

Title of Thesis: “Non-thermal processes for X-ray emission in plasma focus”

## PROFESSIONAL EXPERIENCE:

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2002- **Researcher in NILPRP (from 2008 – Senior researcher degree I)**

- present
- Non-thermal plasma generated in electrical discharges at atmospheric pressure (corona, DBD ...)
  - Degradation of organic pollutants in water by electrical discharges at gas-liquid interface
  - Plasma-chemistry and plasma-assisted catalysis aimed at volatile organic compounds removal
  - Analytical techniques – basic knowledge of gas chromatography, mass spectrometry, liquid chromatography, UV-vis spectrophotometry, etc.
  - Plasma diagnostics – optical emission spectroscopy

1999- **PhD student in INP Greifswald**

- 2002
- Microwave discharges
  - Plasma-chemistry and plasma-catalysis for methane conversion into higher hydrocarbons
  - Plasma diagnostics – time-resolved optical emission spectroscopy
  - Analytical techniques – gas chromatography, mass spectrometry

1996- **Research assistant in NILPRP**

- 1999
- Hollow cathode (HC) discharges, generation of d.c. and pulsed electron beams in HC discharges
  - High electric fields produced in experiments with exploding wires

## SCIENTIFIC RESULTS:

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Publications 48 ISI articles, 7 articles in proceedings  
7 invited lectures, more than 70 conference communications  
5 book chapters (Elsevier, 2008; Wiley, 2012; Taylor and Francis, 2016; Springer, 2020)  
co-editor for a book (Wiley, 2012)

Citations >2400 (Scopus) – h-index 26; >3200 (Google Scholar) – h-index 27

Research projects Participation in 12 research projects: 7 national projects as coordinator, 1 as principal investigator,  
3 as researcher / key member of the team, 2 bilateral projects as principal investigator

International cooperation EPFL Lausanne (2005-2008 – SCOPES Project), GREMI Orléans (2019-2021 – Brancusi Project)



## Articles:

48. N. Morin-Crini, E. Lichtfouse, M. Fourmentin, A.R. Lado Ribeiro, C. Noutsopoulos, F. Mapelli, É. Fenyvesi, M. Gurgel Adeodato Vieira, L.A. Picos-Corrales, J.C. Moreno-Piraján, L. Giraldo, T. Sohajda, M. Mahmudul Huq, J. Soltan, G. Torri, M. Magureanu, C. Bradu, G. Crini, Removal of emerging contaminants from wastewater using advanced treatments. A review, *Environmental Chemistry Letters* (2022), <https://doi.org/10.1007/s10311-021-01379-5>
47. M. Magureanu, F. Bilea, C. Bradu, D. Hong, A review on non-thermal plasma treatment of water contaminated with antibiotics, *Journal of Hazardous Materials* 417 (2021) 125481, <https://doi.org/10.1016/j.jhazmat.2021.125481>
46. M. Magureanu, N.B. Mandache, C. Rizescu, C. Bucur, B. Cojocaru, I.C. Man, A. Primo, V.I. Parvulescu, H. Garcia, Engineering hydrogenation active sites on graphene oxide and N-doped graphene by plasma treatment, *Applied Catalysis B: Environmental* 287 (2021) 119962, <https://doi.org/10.1016/j.apcatb.2021.119962>
45. M. Magureanu, N.B. Mandache, F. Gherendi, C. Rizescu, B. Cojocaru, A. Primo, H. Garcia, V.I. Parvulescu, Improvement of catalytic activity of graphene oxide by plasma treatment, *Catalysis Today* 366 (2021) 2–9, <https://doi.org/10.1016/j.cattod.2020.07.022>
44. P. Brault, M. Abraham, A. Bensebaa, O. Aubry, D. Hong, H. Rabat, M. Magureanu, Insight into plasma degradation of paracetamol in water using a reactive molecular dynamics approach, *Journal of Applied Physics* 129 (2021) 183304; doi: 10.1063/5.0043944
43. T. Tian, H. Rabat, M. Magureanu, O. Aubry, D. Hong, Electrical investigation of a pin-to-plane dielectric barrier discharge in contact with water, *Journal of Applied Physics* 130 (2021) 113301; <https://doi.org/10.1063/5.0056654>
42. M. Magureanu, C. Bradu, Catalysts: Special Issue on Plasma-Catalysis for Environmental and Energy-Related Applications, *Catalysts* 11 (2021) 1439; <https://doi.org/10.3390/catal11121439>
41. C. Bradu, K. Kutasi, M. Magureanu, N. Puač, S. Živković, Reactive nitrogen species in plasma-activated water: generation, chemistry and application in agriculture, *Journal of Physics D: Applied Physics* 53 (2020) 223001, <https://doi.org/10.1088/1361-6463/ab795a>
40. F. Bilea, C. Bradu, M. Magureanu, Potential of plasma treatment as water reclamation process for irrigation, *Journal of Physics D: Applied Physics* 53 (2020) 224002, <https://doi.org/10.1088/1361-6463/ab7c05>
39. F. Bilea, C. Bradu, N.B. Mandache, M. Magureanu, Characterization of the chemical activity of a pulsed corona discharge above water, *Chemosphere* 236 (2019) 124302, <https://doi.org/10.1016/j.chemosphere.2019.07.033>
38. Research regarding the impact of cold plasma treatment applied to wheat crop seeds, M. Gidea, R. Teodorescu, V. Tudor, C. Mihalascu, D. Mihalache, D. Burghila, C. Slave, M. Magureanu, *Romanian Biotechnological Letters* 24 (2019) 922-928, <https://doi.org/10.25083/rbl/24.5/922.928>
37. A. Primo, A. Franconetti, M. Magureanu, N. B. Mandache, I. C. Bucur, C. Rizescu, B. Cojocaru, V. I. Parvulescu, H. Garcia, Engineering active sites on reduced graphene oxide by hydrogen plasma irradiation: Mimicking bifunctional metal/supported catalysts in hydrogenation reactions, *Green Chemistry* 20 (2018), 2611-2623, <https://doi.org/10.1039/C7GC03397D>

36. Magureanu M., Sirbu R., Dobrin D., Gidea M., Stimulation of the Germination and Early Growth of Tomato Seeds by Non-thermal Plasma, *Plasma Chemistry and Plasma Processing*, 38 (2018) 989-1001, <https://doi.org/10.1007/s11090-018-9916-0>
35. M. Magureanu, C. Bradu, V.I. Parvulescu, Plasma processes for the treatment of water contaminated with harmful organic compounds, *Journal of Physics D: Applied Physics* 51 (2018) 313002, <https://doi.org/10.1088/1361-6463/aacd9c>
34. M. Magureanu, N.B. Mandache, C. Bradu, V.I. Parvulescu, High efficiency plasma treatment of water contaminated with organic compounds. Study of the degradation of ibuprofen, *Plasma Processes and Polymers*, 15 (2018) 1700201, <https://doi.org/10.1002/ppap.201700201>
33. C. Bradu, M. Magureanu, V.I. Parvulescu, Degradation of the chlorophenoxyacetic herbicide 2,4-D by plasma-ozonation system, *Journal of Hazardous Materials* 336 (2017) 52-56, <http://dx.doi.org/10.1016/j.jhazmat.2017.04.050>
32. M. Magureanu, D. Dobrin, C. Bradu, F. Gherendi, N.B. Mandache, V.I. Parvulescu, New evidence on the formation of oxidizing species in corona discharge in contact with liquid and their reactions with organic compounds, *Chemosphere* 165 (2016) 507-514, <http://dx.doi.org/10.1016/j.chemosphere.2016.09.073>
31. M. Magureanu, N.B. Mandache, V.I. Parvulescu, Degradation of pharmaceutical compounds in water by non-thermal plasma treatment, *Water Research* 81 (2015) 124-136, <http://dx.doi.org/10.1016/j.watres.2015.05.037>
30. D. Dobrin, M. Magureanu, N.B. Mandache, M.-D. Ionita, The effect of non-thermal plasma treatment on wheat germination and early growth, *Innovative Food Science and Emerging Technologies* 29 (2015) 255–260, <http://dx.doi.org/10.1016/j.ifset.2015.02.006>
29. D. Dobrin, M. Magureanu, C. Bradu, N.B. Mandache, P. Ionita, V.I. Parvulescu, Degradation of methylparaben in water by corona plasma coupled with ozonation, *Environmental Science and Pollution Research* 21 (2014) 12190-12197, <https://doi.org/10.1007/s11356-014-2964-y>
28. A.L. Mihai, D. Dobrin, M. Magureanu, M.E. Popa, Positive effect of non-thermal plasma treatment on radish seeds, *Romanian Reports in Physics* 66 (2014) 1110-1117
27. D. Dobrin, M. Magureanu, C. Bradu, N.B. Mandache, V.I. Parvulescu, Combination of non-thermal plasma and ozonation for the degradation of endocrine disrupting compounds in water, 2014, 2014 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2014, 6850938, pp. 1047-1052, <https://doi.org/10.1109/OPTIM.2014.6850938>
26. D. Dobrin, C. Bradu, M. Magureanu, N.B. Mandache, V.I. Parvulescu, Degradation of diclofenac in water using a pulsed corona discharge, *Chemical Engineering Journal* 234 (2013) 389-396, <http://dx.doi.org/10.1016/j.cej.2013.08.114>
25. M. Magureanu, D. Dobrin, N.B. Mandache, C. Bradu, A. Medvedovici, V.I. Parvulescu, The mechanism of plasma destruction of enalapril and related metabolites in water, *Plasma Processes and Polymers* 10 (2013) 459-468, <https://doi.org/10.1002/ppap.201200146>
24. M. Magureanu, C. Bradu, D. Piroi, N.B. Mandache, V.I. Parvulescu, Pulsed corona discharge for degradation of methylene blue in water, *Plasma Chemistry Plasma Processing* 33 (2013) 51-64, <https://doi.org/10.1007/s11090-012-9422-8>
23. M. Magureanu, D. Dobrin, N.B. Mandache, B. Cojocaru, V.I. Parvulescu, Toluene oxidation by non-thermal plasma combined with palladium catalysts, *Frontiers in Chemistry*, 1 (2013) 7,

<https://doi.org/10.3389/fchem.2013.00007>

22. M. Magureanu, D. Piroi, N.B. Mandache, C. Bradu, A. Medvedovici, V.I. Parvulescu, Degradation of pharmaceutical compounds in aqueous solution using non-thermal plasma, Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM 2012, 6231955, pp. 1375-1379, <https://doi.org/10.1109/OPTIM.2012.6231955>
21. M. Magureanu, D. Piroi, N.B. Mandache, V. David, A. Medvedovici, C. Bradu, V.I. Parvulescu, Degradation of antibiotics in water by non-thermal plasma treatment, Water Research 45 (2011) 3407-3416, <https://doi.org/10.1016/j.watres.2011.03.057>
20. M. Magureanu, D. Piroi, N.B. Mandache, V.I. Pârvulescu, V. Pârvulescu, B. Cojocaru, C. Cadigan, R. Richards, H. Daly, C. Hardacre, In situ study of ozone and hybrid plasma Ag-Al catalysts for the oxidation of toluene: Evidence of the nature of the active sites, Applied Catalysis B: Environmental 104 (2011) 84-90, <https://doi.org/10.1016/j.apcatb.2011.02.025>
19. M. Magureanu, D. Piroi, N.B. Mandache, V.I. Parvulescu, Toluene oxidation in a dielectric barrier discharge combined with heterogeneous catalysis, Romanian Reports of Physics, 56 (2011) 156-162,
18. D. Piroi, M. Magureanu, N.B. Mandache, V. David, V. Parvulescu, Pulsed dielectric barrier discharge generated at the gas-liquid interface for the degradation of the organic dye methyl red in aqueous solution, 2010, Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM 2010, 1323-1328, <https://doi.org/10.1109/OPTIM.2010.5510325>
17. M. Magureanu, D. Piroi, N.B. Mandache, V. David, A. Medvedovici, V.I. Parvulescu, Degradation of pharmaceutical compound pentoxifylline in water by non-thermal plasma treatment, Water Research 44 (2010) 3445-3453, <https://doi.org/10.1016/j.watres.2010.03.020>
16. M. Magureanu, D. Piroi, N.B. Mandache, V. Parvulescu, Decomposition of methylene blue in water using a dielectric barrier discharge: Optimization of the operating parameters Journal of Applied Physics, 104 (2008) 103306, <http://dx.doi.org/10.1063/1.3021452>
15. M. Magureanu, D. Piroi, F. Gherendi, N.B. Mandache, V. Parvulescu, Decomposition of methylene blue in water by corona discharges, Plasma Chemistry and Plasma Processing 28 (2008) 677-688, <https://doi.org/10.1007/s11090-008-9155-x>
14. M. Magureanu, N.B. Mandache, V.I. Parvulescu, Chlorinated organic compounds decomposition in a dielectric barrier discharge, Plasma Chemistry and Plasma Processing 27 (2007) 679-690, <https://doi.org/10.1007/s11090-007-9103-1>
13. M. Magureanu, N.B. Mandache, V. Parvulescu, Degradation of organic dyes in water by electrical discharges, Plasma Chemistry and Plasma Processing 27 (2007) 589-598, <https://doi.org/10.1007/s11090-007-9087-x>
12. M. Magureanu, N.B. Mandache, J. Hu, R. Richards, M. Florea, V.I. Parvulescu, Plasma-assisted catalysis total oxidation of trichloroethylene over gold nano-particles embedded in SBA-15 catalysts, Applied Catalysis B: Environmental, 76 (2007) 275-281, <https://doi.org/10.1016/j.apcatb.2007.05.030>
11. M. Magureanu, N.B. Mandache, V.I. Parvulescu, Ch. Subrahmanyam, A. Renken, L. Kiwi-Minsker, Improved performance of non-thermal plasma reactor during decomposition of trichloroethylene: Optimization of the reactor geometry and introduction of catalytic electrode, Applied Catalysis B: Environmental, 74 (2007) 270-277, <https://doi.org/10.1016/j.apcatb.2007.02.019>

10. Ch. Subrahmanyam, M. Magureanu, D. Laub, A. Renken, L. Kiwi-Minsker, Nonthermal plasma abatement of trichloroethylene enhanced by photocatalysis, *Journal of Physical Chemistry C*, 111 (2007) 4315-4318, <https://doi.org/10.1021/jp066731o>
9. M. Magureanu, N.B. Mandache, E. Gaigneaux, C. Paun, V.I. Parvulescu, Toluene oxidation in a plasma-catalytic system, *Journal of Applied Physics* 99 (2006) 123301, <http://dx.doi.org/10.1063/1.2204353>
8. Ch. Subrahmanyam, M. Magureanu, A. Renken, L. Kiwi-Minsker, Catalytic abatement of volatile organic compounds assisted by non-thermal plasma. Part 1: A novel dielectric barrier discharge reactor containing catalytic electrode, *Applied Catalysis B: Environmental*, 65 (2006) 150-156, <https://doi.org/10.1016/j.apcatb.2006.01.006>
7. M. Magureanu, N.B. Mandache, P. Elloy, E.M. Gaigneaux, V.I. Parvulescu, Plasma-assisted catalysis for volatile organic compounds abatement, *Applied Catalysis B: Environmental*, 61 (2005) 12-20, <https://doi.org/10.1016/j.apcatb.2005.04.007>
6. M. Magureanu, N.B. Mandache, V.I. Pârvescu, Toluene oxidation in a pulsed dielectric barrier discharge, *Journal of Optoelectronics and Advanced Materials* 7 (2005) 1623-1627
5. M. Magureanu, N.B. Mandache, C. Ruset, Pulsed multipoint-to-plate corona discharge for VOC abatement, *Journal of Advanced Oxidation Technologies* 7 (2004) 128-132 <https://doi.org/10.1515/jaots-2004-0205>
4. M. Heintze, M. Magureanu, M. Kettlitz, Mechanism of C2 hydrocarbon formation from methane in a pulsed microwave plasma, *Journal of Applied Physics*, 92 (2002) 7022-7031 <https://doi.org/10.1063/1.1521518>
3. M. Heintze, M. Magureanu, Methane conversion into acetylene in a microwave plasma: Optimization of the operating parameters, *Journal of Applied Physics*, 92 (2002) 2276-2283 <https://doi.org/10.1063/1.1497457>
2. M. Heintze, M. Magureanu, Methane conversion into aromatics in a direct plasma-catalytic process, *Journal of Catalysis*, 206 (2002) 91-97, <https://doi.org/10.1006/jcat.2001.3467>
1. B.M. Novac, M. Magureanu, I.R. Smiths, High electric fields sustained in fast EBW experiments, *Journal of Physics D: Applied Physics*, 31 (1998) L57-L58, <https://doi.org/10.1088/0022-3727/31/17/001>

#### **Books / Book chapters:**

5. N. Morin-Crini, E. Lichtfouse, M. Fourmentin, A.R. Lado Ribeiro, C. Noutsopoulos, F. Mapelli, É. Fenyvesi, M. Gurgel Adeodato Vieira, L.A. Picos-Corrales, J.C. Moreno-Piraján, L. Giraldo, T. Sohajda, M. Mahmudul Huq, J. Soltan, G. Torri, M. Magureanu, C. Bradu, G. Crini, Remediation of Emerging Contaminants, in *Emerging Contaminants Vol. 2. Environmental Chemistry for a Sustainable World* 66, Editors N. Morin-Crini, É. Lichtfouse, G. Crini, Springer Nature, 2021
4. M. Magureanu, V.I. Parvulescu, Plasma in Liquids and Gas-Liquid Environments, in *Encyclopedia of Plasma Technology*, Taylor and Francis, 2016
3. V.I. Parvulescu, M. Magureanu, P. Lukes, Editors, *Plasma Chemistry and Catalysis in Gases and Liquids*, WILEY-VCH, 2012

2. M. Magureanu, VOC removal from air by plasma-assisted catalysis – experimental work, in Plasma Chemistry and Catalysis in Gases and Liquids, WILEY-VCH, 2012

1. M. Magureanu, V.I. Parvulescu, Plasma-assisted NO<sub>x</sub> abatement process: a new promising technique for lean conditions, in Studies in Surface Science and Catalysis 171, pp. 361-396, 2007

### **Research projects - coordinator:**

10. Non-thermal plasma - a promising candidate for wastewater recovery and safe reuse, PN-III-P4-ID-PCE-2020-0335 (contract 143 / 2021, 2021-2023, 36 months)

9. Efficient removal of antibiotic pollutants in water by non-thermal plasma coupled with other advanced oxidation processes, PN-III-P3-3.1-PM-RO-FR-2019-0165 (contract 18BM/2019), <http://brancusi18bm.inflpr.ro> (2019-2020, 18 months)

8. Degradation mechanisms of persistent organic pollutants in water by non-thermal plasma and plasma-ozonation systems, PN-III-P4-ID-PCE-2016-0152 (contract 71/2016), <http://pce71.inflpr.ro> (2017-2019, 30 months)

7. Inovative technology for seed treatment with non-thermal plasma, PN-III-P2-2.1-PED-2016-1577 (contract 3PED/2017), <https://www.usamv.ro/index.php/ro/463-tehnologie-inovativa-de-tratament-a-semintelor-cu-plasma-netermica> (2017-2018, 18 months)

6. Degradation of pharmaceutical compounds in water by non-thermal plasma, PN-II-RU-TE-2011-3-0015 (contract 42/2011) (2011-2014, 36 months)

5. Plasma-catalytic system for the total oxidation of volatile organic compounds, IDEI-223 (contract 34/2007) (2007-2010, 36 months)

4. Innovative reactor combining plasma and structured catalysts for the destruction of industrial pollutants, SCOPES, FN 510879 (2005-2008, 36 months)

3. Innovative plasma-catalytic system for the removal of chlorinated organic pollutants, CEEEX-3190/2005 (2005-2007, 24 months)

2. Development of an advanced system for the treatment of nitrogen-containing industrial wastewater, based on coupling of electrical discharges with heterogeneous catalysis and photocatalysis, CERES 4-137/2004 (2004-2006, 22 months)

1. A new concept for the total oxidation of volatile organic compounds: coupling of plasma with heterogeneous catalysis, CERES 3-120/2003 (2003-2005, 20 months)



# PLAN MANAGERIAL

2022-2025

**Dr. Monica Magureanu**

**Functia pentru care candideaza: Presedinte – Sectiunea Fizica Plasmei**

**SOCIETATEA ROMANA DE FIZICA**

Activitatile de management propuse se refera la atingerea următoarelor obiective:

1. *Promovarea colaborarii la nivel national*, prin intalniri periodice intre membrii sectiunii de Fizica Plasmei. Scopul acestora va consta in identificarea temelor de cercetare de interes comun, in acord cu programele de cercetare nationale si internationale, continuarea colaborarilor existente si dezvoltarea de noi colaborari, in vederea formarii de consortii pentru participarea cu succes la competitii de proiecte nationale si internationale. Se va urmari de asemenea identificarea domeniilor unde fizica plasmei poate aduce un plus de valoare, in vederea promovarii colaborarilor inter- si multi-disciplinare. Aceasta abordare va asigura adaptabilitate si flexibilitate sporite, nu doar pentru supravietuirea, ci si pentru dezvoltarea domeniului fizicii plasmei intr-un sistem de cercetare competitional.
2. *Cresterea vizibilitatii SRF la nivel national si international*, pe de o parte prin implicarea membrilor Sectiunii de Fizica Plasmei in organizarea de conferinte, workshop-uri si simpozioane cu participare internationala, si pe de alta parte prin sustinerea participarii membrilor SRF la conferinte internationale importante din domeniu ca profesori invitati. Va fi incurajata si participarea tinerilor cercetatori si doctoranzilor la diverse manifestari stiintifice si la stagii de cercetare in organizatii internationale din domeniul fizicii plasmei. Un alt obiectiv important este cresterea numarului de publicatii in reviste de prestigiu si a numarului de articole in co-autorat international. De asemenea, se va incuraja participarea in consortii internationale, actiuni COST si se va sustine dezvoltarea de cooperari cu Societatile Nationale de Fizica din alte tari.
3. *Formarea si atragerea tinerilor spre domeniul fizicii plasmei* prin organizarea de actiuni tintite spre elevi si studenti. Se au in vedere, in cazul elevilor de gimnaziu si liceu vizite



in laboratoare din universitati si institute de cercetare, insotiti de profesori, ore tinute in scoli prezentand importanta si perspectivele domeniului fizicii plasmei, implicare in evenimente de popularizare de tip Noaptea Cercetatorilor, Scoala Altfel etc. In ceea ce priveste studentii, va fi sustinuta colaborarea intre universitati si institute de cercetare si utilitatea activitatilor comune in pregatirea studentilor, inclusiv in elaborarea diplomelor de licenta, disertatiilor de masterat si tezelor de doctorat in domeniul fizicii plasmei, precum si stagiile de practica ale studentilor in laboratoare de cercetare din institute. Aceasta abordare poate asigura excelenta in formarea tinerilor cercetatori, precum si atragerea si mentinerea talentelor in cercetarea din domeniul plasmei. De asemenea, se are in vedere implicarea membrilor Sectiunii de Fizica Plasmei in organizarea de workshop-uri si scoli de vara.

4. *Stimularea cooperarii dintre cercetare si industrie*, prin actiuni de promovare si diseminare a rezultatelor cercetarii catre mediul de afaceri. Se va urmari identificarea tematicilor de cercetare din domeniul fizicii plasmei cu potential aplicativ si facilitarea accesului mediului economic la rezultatele acestor cercetari, inclusiv prin actiuni de informare si diseminare. Pe de alta parte, se va urmari identificarea nevoilor mediului de afaceri, unde cercetarea in domeniul plasmei poate contribui cu solutii inovatoare. De asemenea, se va incuraja participarea la saloane de inventica, targuri si expozitii industriale.
5. *Stimularea cooperarii dintre autoritatile publice si mediul de cercetare* prin actiuni de informare si diseminare a rezultatelor cercetarii din domeniul fizicii plasmei, in special a celor aplicative, ce pot genera solutii pentru probleme globale sau efecte specifice ale acestora. De asemenea, se va urmari informarea autoritatilor publice asupra nevoilor mediului de cercetare, in scopul identificarii unor metode de solutionare.

30.03.2022

Monica Magureanu

