

## Lucrări științifice – Ienașcu Ioana

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• **Proiecte de cercetare:**

1. PNCDI 2 PARTENERIATE: 21-077/2007-2010: Biocombustibili obtinuti prin valorificarea deseurilor celulozice intr-un sistem integrat chimico-enzimatic – **membru in echipa de cercetare**
2. Program nucleu: PN 07 33 01 03/2007-2008: Contribuții la utilizarea alcoolilor alifatici ca sursă de energie – **membru in echipa de cercetare**

3. PNCDI 2 PARTENERIATE: 52-145/2008-2011: Suplimente alimentare hipoglicemizante și antioxidante de structură antiocianidinică – **membru în echipa de cercetare**
4. Program nucleu: PN 09 34 04 01/2009-2014: Sinteza și caracterizarea unor salicilamide o-substituite - noi compusi potențial biologic active – **responsabil proiect**
5. Program nucleu: PN 09 34 03 04/2009: Contribuții la recuperarea fierului din cenușa de termocentrală cu aplicații în utilizarea magnetitei în reținerea/îndepărtarea arsenului și a compușilor săi din ape potabile și reziduale – **membru în echipa de cercetare**
6. PNCDI 2 PARTENERIATE: 32-129/2008-2011: Studiul obținerii unor carbonați organici reactivi cu grupa nucleofugă cu aplicații în sinteza dipeptidelor cu activitate biologică – **membru în echipa de cercetare**
7. PNCDI 2 PARTENERIATE: 32-155/2008-2011: Dezvoltarea de compozite magnetodielectrice nanostructurate pentru crearea de anvelope inteligente cu absorbție pronunțată a microundelor – **membru în echipa de cercetare**
8. Program nucleu: PN 09 34 02-04/2013: Studii asupra influenței amplasării asupra randamentului celulelor fotovoltaice – **membru în echipa de cercetare**
9. Program nucleu: PN 09 34 03-09/2013: Esteri ai unor acizi monocarboxilici cu alcooli polihidroxic (ex. trimetilolpropan, pentaeritrită) biodegradabili, intermediari în obținerea uleiurilor sintetice – **membru în echipa de cercetare**
10. Program nucleu: PN 09 34 03-10/2013: Studiu privind aplicarea osmozei inverse în procesul de îndepărtare a agenților patogeni din apele reziduale de la stațiile de tratare – **membru în echipa de cercetare**
11. Program nucleu: PN 09 34 03-11/2013: Studiul unor combustibili utilizați în instalațiile mari de ardere pentru producerea energiei electrice și termice în scopul reducerii efectelor produse asupra mediului înconjurător – **membru în echipa de cercetare**
12. Program nucleu: PN 09 34 03-12/2013: Contribuții la defosforizarea apelor reziduale prin intermediul tehnologiilor de separare cu membrane – **membru în echipa de cercetare**
13. Program nucleu: PN 09 34 04-03 2013-2015: Studii privind funcționalizarea capsaicinelor prin electroliză – **membru în echipa de cercetare**
14. PN-II-PT-PCCA-2013-4-1708/2014-2016: Instalatie pilot mobilă pentru tratarea apelor reziduale cu ajutorul energiei solare – **membru în echipa de cercetare**
15. Program nucleu: PN 09-34 03 07/2012/2014: Studii asupra procesului de hidroliză a deșeurilor de polietilen tereftalat – **membru în echipa de cercetare**
16. Program nucleu: PN 09 34 01-09/2014: Aplicații biomedicale ale disocierii prin transfer de electroni/protoni (ETD/PTR) – **membru în echipa de cercetare**
17. Program nucleu: PN 09 34 02-05/2014-2015: Noi materiale cu structură stratificată de tipul  $A(Li, Na)B(Co, Ni)O_2$  pentru baterii obținute prin metoda hidrotermală – **membru în echipa de cercetare**
18. Program nucleu: PN 09 34 02-06/2014: Descompunerea fotocatalitică a apei utilizând fotocatalizatori calcogenici II-VI optimizați și lumină solară naturală – **membru în echipa de cercetare**
19. Program nucleu: PN 09 34 02-07/2014-2015: Polimerizarea electrochimică a unor porfirine în vederea obținerii de filme conductoare sau semiconductoare

- cu posibile utilizări la realizarea de senzori și/sau celule fotovoltaice – **membru în echipa de cercetare**
20. Program nucleu: PN 09 34 03-05/2014: Posibilitati si metode pentru recuperarea metalelor Au, Ag, Cu din sisteme electrice si electronice – **membru în echipa de cercetare**
  21. Program nucleu: PN 09 34 03-13/2014-2015: Marirea eficacitatii si reducerea gradului de poluare a ecosistemului prin tehnologii modern – **membru în echipa de cercetare**
  22. Program nucleu: PN 09 34 04-04/2014-2015: Comportamentului electrochimic al electrozilor modificați cu derivați porfirinici meso-substituiți și aplicațiile analitice ale acestora – **membru în echipa de cercetare**
  23. Program nucleu: PN 09 34 04 06/2015: Conceptul „green chemistry” în obținerea unor derivați cu structură o-hidroxibenzamidică, potențiali coloranți sau intermediari în sinteza de coloranți cu aplicații în celule solare sensibilizate cu colorant organic - **responsabil proiect**
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  26. Program nucleu: PN 16 14 03 08/2016-2017: Formulări topice pe baza de noi complecși de incluziune supramoleculară hidroxibenzamide-ciclodextrina - **responsabil proiect**
  27. Program nucleu: PN 16 14 02 05/2016-2017: Determinarea unor pesticide din cereale cultivate în Banat – **membru în echipa de cercetare**
  28. Program nucleu: PN 16 14 03 06/2016-2017: Soluții inovative de stabilizare a extractelor naturale pe bază de antocianine – **membru în echipa de cercetare**
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  36. PN 18 36 03 02/2018 - Determinarea unor pesticide din diverse alimente prin metode fizico-chimice rapide și moderne – **membru în echipa de cercetare**

37. Program nucleu: PN 18 36 02 01/2018: Deca-nano-semiconductorul grafenic: de la structura fotoactivă la transportul de informație cuantică integrate – **membru in echipa de cercetare**
38. Program nucleu: PN 18 36 02 02/2018: Varistoare pe bază de oxizi metalici pentru protecția împotriva supratensiunilor a instalațiilor fotovoltaice – **membru in echipa de cercetare**
39. Program nucleu: PN 18 36 03 01/2018: Controlul structurii si functionalitatii substantelor naturale biologic active din flora carpatina prin incorporarea lor in cavitatea calixarenelor: Realizarea unor noi metode de separare selective, inovative in designul de medicamente – **membru in echipa de cercetare**
40. PN 19 22 03 01/2019-2022: Complecși de incluziune supramoleculară a unor compuși naturali și de sinteză cu aplicații în sănătate – **membru in echipa de cercetare**
41. Program nucleu: PN 19 22 01 01/2019-2022: Tehnologii avansate pentru materiale dedicate sectoarelor energetice – **membru in echipa de cercetare**
42. Program nucleu: PN 19 22 01 02/2019-2022: Grafentronică cu electrochimie cuantică de spin – **membru in echipa de cercetare**
43. Program nucleu: PN 19 22 01 03/2019-2022: Tehnologii inovative de obtinere de dispozitive integrate de generare si stocare de energie electrica – **membru in echipa de cercetare**
44. Program nucleu: PN 19 22 02 01/2019-2022: Nanotehnologii inovative pentru obtinerea de materiale hibride avasate cu aplicatii in protectia mediului – **membru in echipa de cercetare**
45. Program nucleu: PN 19 22 04 01/2019-2022: Noi tehnologii aplicate in dezvoltarea unor dispozitive de tip senzor pentru monitorizarea mediului – **membru in echipa de cercetare**