

INFORMAȚII PERSONALE



NICOLETA RADU

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 nicolbiotec@yahoo.com; nicolbiotec@gmail.com

Sexul: F | Data nașterii septembrie 1969 | Naționalitatea Romana

EXPERIENȚA PROFESIONALĂ

2015-prezent

CS I in Biotehnologii - INCDCP Bucuresti, Lab. Biotehnologie

Coordonare proiecte cercetare in domeniul stiintelor vietii/Stiintelor ingineresti

Membru in echipa proiecte cercetare nationale in domeniul Stiintele vietii / Stiintelor ingineresti

Membru in echipa proiecte internationale din domeniul de Formare profesionala/Educatie/ Stiintele vietii /Stiinte ingineresti

▪ Coordonare stiintifica studenti masteranzi/doctoranzi in domeniul biotehnologiei/bioingineriei
Tipul sau sectorul de activitate : Cercetare dezvoltare, Educatie

2011-2015

CS II in Biotehnologii-INCDCP Bucuresti, Departament Biotehnologie

Coordonare proiecte cercetare in domeniul stiintelor vietii/Stiintelor ingineresti

Membru in echipa proiecte cercetare nationale in domeniul Stiintele vietii /Stiinte ingineresti

▪ Coordonare stiintifica studenti masteranzi/doctoranzi in domeniul biotehnologiei/bioingineriei
Tipul sau sectorul de activitate : Cercetare dezvoltare, Formare profesionala

2008-prezent

Coordonator Comisie Educatie si Bioetica Societatea Romana de

Bioinginerie si Biotehnologie Strada Gheorghe Polizu nr. 1, sector 1, Bucuresti;
pagina web: www.srbb.ro

▪ Coordonare stiintifica studenti masteranzi/doctoranzi in domeniul biotehnologiei/bioingineriei
Formare profesionala in domeniul Stiintelor Vietii /Stiintelor Ingineresti

▪ Tipul sau sectorul de activitate Educatie; Formare profesionala

2001-2011

CS III –Institutul de Cercetari Chimice Bucuresti, Sectia Biotehnologie

I.N.C.D.C.P. Bucuresti, Lab. Biotehnologie Splaiul Independentei 202, sector 6 Bucuresti; pagina web: www.icechim.ro

Coordonare proiecte de cercetare in domeniul Stiintelor vietii/ Stiintelor ingineresti

Membru in echipa proiecte cercetare bnationale in domeniul Stiintelor vietii / Stiintelor ingineresti

Membru in echipa proiecte internationale din domeniul de Formare profesionala/Educatie/ Stiinte ingineresti

Tipul sau sectorul de activitate: Cercetare-Dezvoltare, Formare profesionala; Management proiect

1995-2001

Inginer/Sef Proiect/Director Proiect IITPIC Bucuresti (S.C IPROCHIM S.A.)

Str. Mihai Eminescu Nr. 19-21, Sector 1, Bucuresti

Cod Postal: 010512 pagina web: www.iprochim.ro

▪ Coordonare si elaborare proiecte in domeniul Stiintelor ingineresti

Tipul sau sectorul de activitate: Cercetare dezvoltare / Management proiecte / Engineering si proiectare

EDUCAȚIE ȘI FORMARE

- 2011 **Studii postdoctorale in domeniul Biotehnologiilor Medicale** Nivelul EQF: 8
-Universitatea de Stiinte Agronomice si Medicina Veterinara Cluj Napoca – Universitatea Politehnica Bucuresti
-Stagiu extern: Universitatea Demokritos, Alexandropolis, Grecia, in domeniul Biologiei Moleculare
- Inginerie genetica aplicata in domeniul obtinerii produselor terapeutice active
 - Metode de testare in vitro si in vivo (studii preclinice; studii clinice) a produselor terapeutice active
 - Conducerea inteligenta a bioproceselor
 - Managementul proiectelor de cercetare din domeniul stiintelor vietii
 - Statistica aplicata in biotehnologii; Conducerea inteligenta a bioproceselor
- 2010 **Master in domeniul Biotehnologiilor** Nivelul EQF:
Universitatea POLITENICA Bucuresti, **Facultatea de Bioinginerie si Biotehnologie** (in prezent **Facultatea de Inginerie Medicala**)
- Inginerie genetica; Managementul proiectelor de cercetare; Microbiologie; Bioinformatica aplicata in biotehnologii; Enzimologie; Bioinginerie de proces; Bioreactoare proces; Modelarea matematica a bioproceselor.
- 2005 **Doctor in domeniul Stiintelor ingineresti** Nivelul EQF:
Universitatea POLITENICA Bucuresti, Catedra de Chimie Anorganica
- Metode si procese avansate de identificare si separare specii chimice/ molecule complexe; Caracterizare fizico-chimica si biologica produse biologice active; Bioproduse ecologice destinate agriculturii; Metode neconventionale de depoluare. Modelarea matematica a proceselor ingineresti.
- 1999 **Scoala academica postuniversitara "Petru Spacu"**
Tehnici de depoluare ; Monitoring-ul integrat al calitatii mediului
Universitatea POLITENICA Bucuresti, Facultatea de Chimie industriala
- 1995 **Master in domeniul Chimie**
Universitatea POLITENICA Bucuresti facultatea de Chimie Industriala
Sinteze anorganice speciale
- 1994 **Licenta Inginer**
Universitatea POLITENICA Bucuresti
Inginerie proces; Reactoare proces; Management; Pedagogie; Metodica predarii;.

COMPETENTE PERSONALE

Limba(i) maternă(e) Romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleza	C2	C2	C2	C1	C1
Scrieți denumirea certificatului. Scrieți nivelul, dacă îl cunoașteți.					
Franceza	B2	B2	B1	B1	B1

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat
 Cadru european comun de referință pentru limbi străine

Competențe de comunicare

- Excelente abilitati de comunicare dobandite ca urmare a propriei experiente in Calitate de Sef proiect/ Director Proiect in domeniul Stiintelor Vietii/ Stiintelor Ingineresti
- Contacte interne si externe personalitati din domeniul Stiintelor Vietii/ Educatiei si Formarii profesionale in domeniul Stiintelor Vietii/Stiintelor Ingineresti
- Excelente abilitati de comunicare obtinute in calitatea de Coordonator Comisie Educatie si Bioetica din cadrul Societatii Romane de Bioinginerie si Biotehnologie
- Excelente abilitati de comunicare si formare, obtinute in calitatea de membru / tutore, in proiecte internationale de formare profesionala de tip Leonardo da Vinci

Competențe organizaționale/manageriale

- Leadership : am coordonat peste 12 proiecte, in domeniul stiintelor iingineresti/ stiintelor vietii ; in prezent coordonez activitatea Comisiei de Educatie si Bioetica din cadrul Societatii Romane de Bioinginerie si Biotehnologie)

Competențe dobândite la locul de muncă

- Capacitatea de a coordona realizarea unor lucrari stiintifice (manuale; articole stiintifice din doemniul stiintelor vietii / stiintelor ingineresti;
- bună cunoaștere a proceselor din domeniul biotehnologiilor medicale (de la idee pana la omologarea unui produs cu proprietati terapeutice)
 - spirit inovator / inventiv
 - capacitatea de a lucra in echipa, pentru realizarea unor proiecte multidisciplinare
 - capacitatea de a forma retele/ consortii pentru realizarea unor proiecte de cercetare/ proiecte de formare profesionala mutidisciplinare

Competențe informatice

- utilizator experimentat instrumente Microsoft Office™; programe de conducere inteligenta a bioproceselor:
 - Fuzzy Tech,
 - Neuronal Network
- programe de prelucrare statistica
 - ANOVA,
 - STUDENT,
 - Table Curve 2D,
 - Table Curve 3D
- abilitati de realizarea a unor sisteme de invatare de tip e-learning; dezvoltarea unor platforme electronice de invatare si testare in domeniul stiintelor vietii/ stiintelor ingineresti

Permis de conducere

Conducator auto, categoria B

Alte competențe

Evaluator proiecte nationale de cercetare

Evaluator proiecte POS CEE

Reviewer articole din domeniul stiintelor vietii / stiintelor ingineresti, pentru reviste internationale indexate/ cotate ISI sau BDI, precum:

- Journal of Experimental Pharmacology
- Oncolytic Virotherapy
- International Journal of Nanomedicine
- Open Access Medical Statistics
- Innovation and Entrepreneurship in Health
- Advances in Medical Education and Practice
- Journal of Agricultural Science and Technology A&B
- International Journal of Agricultural Policy and Research
- **International Research Journal of Plant and Crop Sciences**
- African Journal of Agricultural Research
- Chemical Engineering Transaction
- Romanian Biotechnological Letter

- Publicații**
- 10 Manuale publicate , din care 7 in limba romana , in edituri recunoscute;
 - coautor doua capitole de carte publicat in edituri internationale recunoscute (Anexa 1 – Publicatii –Carti)
 - peste 25 articole indexate/ cotate ISI Thomson (Anexa 1-Publicatii – Articole)
 - Peste 40 articole indexate BDI (Google Scholar/ Scopus etc.) (Anexa 1 – Publicatii
- Proiecte**
- Sef proiect/ Director Proiect/ responsabil proiect pentru 12 proiecte din domeniul stiintelor ingineresti / stiintelor vietii (Anexa 1 – Sef proiect/ Responsabil proiect/Director proiect)
 - Membru echipa de lucru in proiecte internationale, din care 2 in domeniul stiintelor ingineresti si 2 in domeniul Formarii profesionale, de tip Leonardo da Vinci (Anexa 1 – Membru in echipa proiecte internationale)
 - Membru echipa pentru cel putin **17** proiecte de cercetare din domeniu stiintelor vietii/ stiintelor ingineresti (Anexa 1 – membru in echipa Proiecte nationale)
- Conferințe**
- Participare cu comunicari postere la peste 50 de Congrese/ Conferinte Seminarii Internationale/ Nationale
- Distincții**
- 3 articole premiate CNCSIS
 - 1 brevet de inventie premiat CNCSIS
- Afilieri**
- Societatea Romana de Bioinginerie si Biotehnologie
 - Universitatea Politehnica Bucuresti
 - Universitatea de Stiinte Agronomice si Medicina Veterinara Cluj Napoca
 - IITPIC (S.C.IPROCHIM S.A) Bucuresti
 - Institutul de Microtehnologie
- Referințe**
- I.N.C.D.C.P. Bucuresti, Departament Biotehnologie
 - ORCID :
 - Baza de date THOMSON REUTERS
 - Baza de date Google Scholar
 - Baza de date Scopus
 - Baza de date Scimago
 - Baza de date EBESCO
 - Baza de date INDEX COPERNICUS
 - Research Gate

ANEXE

- Anexa 1
- Lista lucrari
 - manuale, capitol carte
 - articole publicate in juranele indexate/cotate ISI Thomson
 - aticole publicate in jumale indexate BDI
 - articole aparute in alte publicatii
 - participari congrese/ conferinte internationale/nationale
 - brevete invente
 - contracte coordinate in calitate de Sef proiect/Director proiect/Responsabil proiect
 - membru in echipa contracte internationale
 - membru in echipa contracte nationale

Anexa 1

Lista lucrari

A.CAPITOLE CARTI:

1. BIODIESEL FEEDSTOCKS AND PROCESSING TECHNOLOGIES. Edited by Margarita Stoycheva and Gisela Montero. Ed. INTECH, ISBN 978-953-307-713-0, Printed in October 2011, CROATIA. Chapter 20. Progress in egetable Oils Enzymatic Transesterification to Biodiesel-Case Study. Authors: Ana Aurelia Chirvase, Luminita Tcacenco, **Nicoleta Radu**, Irina Lupescu , pg. 411-426.

2. *Head and Neck Cancer*. Published by SMGroup, 160 Greentree Drive, Suite 101, Dover, DE 19904, USA. <http://www.smgebooks.com/head-neck-cancer/index.php>. Printed in **november 2017**.. Apoptosis and Autophagy Pathways, A New Therapy Approach in Head and Neck Cancer. Authors: Marinela Bostan, Georgiana Gabriela Petrică-Matei, Răzvan Hainăroșie, **Nicoleta Radu**, Viviana Roman. **Pag.1-9**

3. New Uses of Micro and Nanomaterials, Edited by , Marcelo Rubén Pagnola, Jairo Useche Vivero and Andres Guillermo Marrugo Ed. INTECH, **2018 (accepted, in press)**. Chapter: Polymeric micro and manosystems for modern and historic wood artifacts preservation. Authors : Rodica Mariana Ion ; Paul Ghioca; Lorena Iancu ; Ramona Grigorescu, **Nicoleta Radu**.

B. CARTI PUBLICATE:

1. **Nicoleta Radu**, Ana Aurelia Chirvase, Gabriela Pintilie, Cosmin Corobea, Isabel Ghita, Oana Coman, **2008**. Nanopreparate terapeutice pe baza de iridoide izolate din specii vegetale indigene. Editura PRINTECH, Bucuresti, ISBN 978-606-521-100-1. Nr. pagini: 290

2. **Nicoleta Radu**, Ana Aurelia Chirvase, Narcisa Babeanu, Ovidiu Popa, Misu Moscovici, Nela Zambila, Niculae Dinca, **2008**. Fezabilitatea produselor biotehnologice cu activitate de biostimulare biofertilizare si antagonism microbial cu aplicatii in agricultura durabila. Editura PRINTECH, Bucuresti. ISBN 978-606-521-059-2. Nr. pagini: 104.

3. **Nicoleta Radu**, Ana Aurelia Chirvase, **2011**. Biotehnologii de obtinere si aplicatii ale biopreparatelor din *Monascus* sp. Editura Printech, Bucuresti, 2008. ISBN 978-606-521-706. Nr. pag: 150

4. Ana Aurelia Chirvase, Nela Zambila, **Nicoleta Radu**, **2006**. Manual de prezentare si utilizare a metodologiei de control interfazic si al produsului finit la tehnologia de obtinere a biopreparatelor cu bacterii simbiotice fixatoare de azot. Editura PRINTECH, Bucuresti. ISBN 973-718-466-1/ 978-973-718-466. Nr. pag: **124**

5. Camelia Ungureanu, Ana Aurelia Chirvase, **Nicoleta Radu**, Adrian Onu, Aurora Salageanu, Mihaela Hilebrand, Ileana Stoica, Felicia Antohe, **2008**. Manual de prezentare biotehnologiei avansate de preparare a unor produse biologice terapeutice de uz uman si de diagnostic cu integrarea unor metode optimizate de asigurare a calitatii si de control, in conformitate cu standardele si normele europene. Editura Politehnica Press, ISBN 978-973-7838-92-6, Bucuresti. Nr. pag:107

6. Nicoleta Radu, Mihaela Beghea, **2017**. Abordari moderne privind introducerea in bioeconome a subproduselor rezultate din biosintezele industriale. Editura PRINTECH , Bucuresti, ISBN ISBN 978-606-23-0786-8. Nr. pag: 108

7. Curs de formare: Afaceri in domeniul stiintelor vietii si drepturi de proprietate intelectuala. **Coordonator: Nicoleta Radu**. Editura Printech, Bucuresti, **2015**. ISBN:978-606-23-0439-3. Curs elaborat in cadrul Life Long Learning Programme Leonardo da Vinci. Nr. pag. 246.

8. Training textbook: Entreprise business and intellectual property on life sciences. **Coordinator: Nicoleta Radu**. Editura Printech, **2015**, Bucharest. ISBN: 978-606-23-0438-6. Training content elaborated in the framework of Lifelong Learning Programme Leonardo da Vinci. Number of pages:166.

9. Entrepreneuriat et propriete intellectuelle dans le secteur des sciences de la vie. **Coordonnees par Nicoleta Radu**. Edited by Imprimerie Espace Copie, **2015**, Bayonne, France. ISBN 978-2-9554817-0-7. Ce contenu de formation a été developpe dans le cadre du Programme europeen d'Education et Formation Tout au Long de la Vie Leonardo da Vinci. Nombre de pages:124.

10. Mokomasis vadovėlis ĮMONIŲ VEIKLA IR INTELEKTINĖ NUOSAVYBĖ GYVYBĖS MOKSLŲ SRITYJE. **Nicoleta Radu – vadovėlio koordinatorė**. Spaustuvė: Kaunas, **2015**, Lithuania. Ši mokomoji medžiaga yra parengta vykdant Leonardo da Vinči (LdV) programas. Išeido ir spausdino UAB "Vitae Litera". Puslapių skaičius:105.

C. ARTICOLE INDEXATE/ COTATE ISI THOMSON

1. **Radu, N.**, Bondar, E., Meghea, A., Rau, I., 2006. Removal cooper and cobalt from diluted aqueous system by bio sorption process. *Revista de Chimie* 7, 711-717, Bucharest, ISSN 0034-7752 . (F.I.0.287)

2. **Radu, N.**, Lanyi, S., Rau, I., Chirvase, A., 2007. Effect generated by urea interaction with calcium nitrate and calcium dihydrogenophosptae, *Revista de Chimie*, 2,158-162, Bucharest, ISSN 0034-7752 (F.I. 0.261)

3. Dima, G., **Radu, N.**, Chirvase, A., Pena E. L., 2007. Studies regarding using biomass in bioremediation of wastewater with heavy metal. *Rev. Chim.* 58(6), 561-565, Bucharest, ISSN 0034-7752. (F.I. 0.261)

4. **Radu, N.**, Lanyi, S., Meghea, A., 2007. Studies concerning the recovery of nutrient from industrial wastewaters as fertilisers, *Journal of Environmental Protection and Ecology*, , 866-874, ISSN 1311-5065 (fara F.I)
5. **Radu, N.**, Meghea, A., 2007. Studies concernig the use of microbial biomass by fertilisers manufacture, *Journal of Environmental Protection and Ecology*, p.875-890 ISSN 1311-5065 (fara F.I)
6. M.Ferdes, C.Ungureanu, **N.Radu**, A. Chirvase 2009. Antimicrobial effect of *Monascus sp* red rice against some bacterial and fungal strains. *Chemical Engineering Transaction* ISSN 197-9791, vol. 17, p. 1089-1094 (fara F.I.).
7. C.Ungureanu, M.Ferdes, A.Chirvase, **N.Radu**, 2009. Study of relationship concerning the pigment production and growth rate for five mutant strains of *Monascus sp*. *Chemical Engineering Transaction* , ISSN 197-9791, vol. 17, p. 1149-1154 (fara .F.I)
8. **Nicoleta Radu**, Cosmin Corobea, Ileana Rau, 2009. New Nano biomaterials based on irridoidic compounds. *Nanobiosystems: Processing, Characterization, and Applications II*. Vol. 7403, 74030Q, ISBN: 9780819476937. (fara F.I)
9. **Nicoleta Radu**, Isabel G. Cristescu, Dragomir Coprean, Ileana Rau, 2009. Biological properties of nanomaterials based on irridoidic compounds, *Nanobiosystems: Processing, Characterization, and Applications II, Proceeding SPIE* Vol. 7403, 74030R, ISBN: 9780819476937. (fara F.I)
10. **Radu, N;** Ghita, I; Caloian, F, Ileana Rau, 2010. Biopigments, Obtaining and Properties. *Mol. Cryst. Liq. Cryst.*, ISSN 1542-1406 Volume: 523, p. 1-10. (F.I.=0,543)
11. **Radu, N;** Ghita, I; Rau, I., 2010. Therapeutic Effect of Polysaccharides from Plantago Species. *Mol. Cryst. Liq. Cryst.*, ISSN 1542-1406 Volume: 523, p. 236-246. (F.I.=0,543)
12. **Radu, N;** Ghita, I; Coman, O, Rau I. 2010. Therapeutic Effect of Flavonoids Derived from Plantago Species, *Mol. Cryst. Liq. Cryst.*, ISSN 1542-1406, Volume: 523, p. 273-281. (F.I.=0,543)
13. **Radu, N;** Ghita, I; Rau, I., 2010. Therapeutic Effect of Irridoidic Compounds from Plantago Species, *Mol. Cryst. Liq. Cryst.*, ISSN 1542-1406, Volume: 523, p. 289-296. (F.I.=0,543)
14. Chirvase A., Ungureanu, C., Tcacenco, L., **Radu, N.**, 2010. Determination of yeast strains characteristics as lipase providers for enzymatic trans esterification to biodiesel. *Rev. Chim.*, vol. 61, nr.9, pp. 866-868, ISSN 0034-7752.(F.I. 0,693)
15. **Radu, N.**, Badea M.N., Ferdes M., Rau I., 2012. Antioxidant Properties of Fungal Biomaterial. *Mol. Cryst. Liq. Cryst.*, ISSN 1542-1406, vol.555, pp. 202-207. (F.I.=0,53)
16. **Radu, N.**; Doncea S.; Ferdes M.; Salageanu A. Rau, I., 2012. Biostimulatory Properties of Monascus sp. Bioproducts. *Mol. Cryst. Liq. Cryst. ISSN 1542-1406*, vol.555, pp.195-201. (F.I.=0,53)
17. **Radu N.**; Salageanu, A.; Ferdes; Rau, I. **2012**. Cytotoxicity Study Regarding Some Products Derived from *Monascus sp.*, *Mol. Cryst. Liq. Cryst.*, ISSN 1542-1406, vol.555, pp.189-194 (F.I.=0,53)
18. **Nicoleta Radu**, Viviana Roman & Ciprian Tănăsescu, **2016**, Biomaterials obtained from probiotic consortia of microorganisms. Potential applications in regenerative medicine, *Molecular Crystals and Liquid Crystals*, 628:1, 115-123. (IF

=0,571)

19 **Nicoleta Radu**, Aurora Salageanu & Ciprian Tănăsescu, **2016**. Studies regarding the mechanisms involved in tissue regeneration, due to application of biomaterials obtained via biotechnology, *Molecular Crystals and Liquid Crystals*, 628:1, 204-212. (I.F. 0.571).

20. **Nicoleta Radu**, Mihai Cosmin Corobea, Oana Andreia Coman & Ciprian Tanasescu (2016) Nanomaterials with antioxidant properties, obtained via biotechnology, using the solid state biosynthesis, *Molecular Crystals and Liquid Crystals*, 627:1, 210-219 (I.F.=0,571).

21.Nicoleta Radu, Viviana Roman, Marinela Bostan, Mariana Voicescu, Ciprian Tanasescu, 2017. Bioproduct obtained from probiotic microorganisms consortia-studies regarding the effects generated in vitro on two types of leukemic cell lines. *Molecular Crystals and Liquid Crystals*, 655:1, 655, 275-286. (I.F. =0,571)

22.Nicoleta Radu, Viviana Roman, Marinela Bostan, Mariana Voicescu & Ciprian Tanasescu, 2017 Effects of biomaterials obtained from consortia of probiotic microorganism in submerged biosynthesis on THP1 cells line. *Molecular Crystals and Liquid Crystals*, 655:1, 255-265. (I.F. =0,571)

23.Nicoleta Radu, Mariana Voicescu, Elena Radu & Ciprian Tanasescu, 2017 Biomaterial with antioxidant and antifungal activities, obtained from romanian indigenous plants, *Molecular Crystals and Liquid Crystals*, 655:1, 243-249(I.F. =0,571)

24.Nicoleta Radu, Viviana Roman, Marinela Bostan, Elena Radu & Ciprian Tanasescu 2017 Influence of some spice food based bioproducts on human monocytic cells line type THP-1, *Molecular Crystals and Liquid Crystals*, 655:1, 114-123. (I.F. =0,571)

25. Nicoleta Radu, Mariana Voicescu, Elena Radu & Ciprian Tanasescu 2017 Zingiber officinale based bioproduct. Properties and influence on some cellulolytic and keratinolytic fungi, *Molecular Crystals and Liquid Crystals*, 655:1, 103-113. (I.F. =0,571)

D. ARTICOLE INDEXATE BDI

1. Stoica, L, Jitaru, I., **Radu N.** 1999. Removal and Recovery of Phosphate Anions from Wastewater by Flotation Technique, *Phosphorus Research Bulletin*, 10, 466 - 474, France, ISBN 0-444-98880-7 (**indexed Scopus, INSPEC, Chemical Abstract**).

2. Stoica L. **Radu N.**, Lanyi Sz., **2004**. Removal of phosphate anions from heterogeneous systems by precipitation - flocculation-flotation. *In: Science and Technology for Environmental Protection*. Vol. 11. No. 2. p. 108-119. (**Indexed Google scholar**)

3.Stoica L. **Radu N.**, Lanyi Sz., **2004**. Study concerning the separation of phosphate anions from diluted aqueous systems in the presence of transition metals, *Material Science Bull.* 66. P. 39-50 (**Indexed Scopus**).

4. **Radu, N.**, Rau, I., Marica, E., Meghea, A., 2004. Environmental impact by nutrients recovering from industrial effluents, *Journal of Environmental Protection and Ecology* Vol. 5, no 3,ISSN 1311-5065. (**Indexat Ulrich, Chemical Abstracts**)

5.Radu, N., Nedelcu, G., Meghea, A., Sandru, L. **2004**. Characteristics of calcium phosphate isolated by molecular flotation. *Analele ASAS-ICPP, Bucharest*, 33, ISSN 0365-575X.(**Indexat CABI**)

6. Radu, N., Chirvase, A.A., Caramihai, M., Sandru, L, Bucur, E., Nedelcu G., **2006**, Study regarding some

property of fertilisers with microbial biomass. **ANALELE ASAS-ICPP**, Bucharest, ISSN 0365-575X. (Indexat CABI)

7. Coman, O., Ghita, I., **Radu, N.**, Dima, G., Pintilie, G., Fulga, I., **2006**. Plantain (Plantago sp.) Used intraditional medicine, chemical constituents and biological activities. **Medicina Moderna**, 3, 152-154, ISSN 1223-047 (**Indexat EBESCO, COPERNICUS**)

8. Ona Andreia Coman, Isabel Ghita, **Nicoleta Radu**, Ana Segarceanu, Horia Paunescu, Ion Fulga , **2007**. The experimental research of possible analgesic effect of the polysaccharidic and flavonoidic fraction from Plantago sp. **Therapeutic pharmacology and Clinical Toxicology**, XI, 1-2, p. 89-94 ISSN 1583-0012 (**Indexat Scimago, COPERNICUS**)

9. Ona Andreia Coman, Isabel Ghita, **Nicoleta Radu**, Ana Segarceanu, Horia Paunescu, Ion Fulga, **2007**. The experimental research of possible sedative effect effect of the polysaccharidic and flavonoidic fraction from Plantago sp, **Therapeutic pharmacology and Clinical Toxicology**, XI, 1-2, p. 95-98 ISSN 1583-0012 (**Indexat Scimago, COPERNICUS**)

10. N. Radu, M. Ferdes, O. Coman, I. Ghita Cristescu, C. Ungureanu, 2009. Influence the different submerged media by the production of yellow and red *Monsacus sp.* pigment ISSN 1222-5339, **Scientific Paper, USAMV Bucharest**, Series A, vol. LII, (**Indexat CABI**)

12. Nicoleta Radu, Sidira Marianthi, Mariana Ferdes, Mariana Voicescu. 2011.THERAPEUTIC EFFECT OF MONASCUS METABOLITES, **Scientific Bulletin, Series F, Biotechnology**, ISSN 1224-7774, p.148-155, (indexat CABI).

13. Nicoleta Radu, Yiannis Kourkoutas, Mariana Ferdes. 2011. PHYSICAL-CHEMICAL PROPERTIES OF MONASCUS METABOLITES, **Scientific Bulletin, Series F, Biotechnology**, ISSN 1224-7774, p.82-91 (indexat CABI).

11. Nicoleta Radu, Ileana Rau, **2012**. Properties of Some Biomaterials Obtained by Submerged Biosynthesis, **Nonlinear Optic Quantum Optic**, vol.44, (2-3) p.191-199. (**Indexed Chemical Abstract, Scopus, Engineering Info USA, Opto-Laser Info, USA**)

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15.Nicoleta Radu, Ana Aurelia Chirvase, Narcisa Babeanu, Ovidiu Popa, Renata Steponaviciene, Fantxo Hastaran, **2014**. MODERN LEARNING SYSTEM AND IMPROVED CURRICULA FOR EDUCATION MANAGEMENT IN LIFE SCIENCES, TO PROMOTE THE BUSINESS ENHANCEMENT, **Agro Life Scientific Journal** 3,(1), 116-119, ISSN 2285-5718 (Indexat CABI)

16.Nicoleta RADU, Ana Aurelia CHIRVASE, Narcisa BABEANU, Ovidiu POPA, **2015**. EDUCATIONAL MANAGEMENT IN THE FIELD OF LIFE SCIENCES – BLENDING LEARNING FOR BIOENTREPRENEURS TRAINING. **SCIENTIFIC PAPERS SERIES MANAGEMENT, ECONOMIC ENGINEERING IN AGRICULTURE AND RURAL DEVELOPMENT** VOL. 15, ISSUE 2, 301-304 ISSN 2284-7995.

17.Nicoleta RADU, Ana Aurelia CHIRVASE, Narcisa BABEANU, Ovidiu POPA, **2015**. Educational management in the field of life sciences - key competences needed to start and develop the innovative sme's. **Scientific papers series management, economic engineering in agriculture and rural development**, VOL. 15, ISSUE 2, 297-300, ISSN 2284-7995.

18. **Nicoleta Radu**, Ana Aurelia Chirvase, Narcisa Babeanu, Fantxo Hastaran, Renata Steponaviciene.

KNOWLEDGE, COMPETENCIES AND TECHNICAL SKILLS NEEDED FOR ENTREPRENEURS FROM THE LIFE SCIENCE FIELD. 2016. Electronic paper published by ScienceKNOW Conferences, C.B. **Selected Papers - International Congress on Education, Innovation and Learning Technologies**, ISBN: 978-84-944311-4-2, p.124-128, Granada, Spain.

19. **Nicoleta Radu**, Ana Aurelia Chirvase, Narcisa Babeanu, Fantxo Hastaran, Renata Steponaviciene. Learning focused on the acquisition of business and management competencies in the field of life sciences. 2016. Electronic paper published by ScienceKNOW Conferences, C.B. **Selected Papers - International Congress on Education, Innovation and Learning Technologies**, ISBN: 978-84-944311-4-2, p.118-123, Granada, Spain

20. **Radu N.**; Chirvase, A. A.; Babeanu N.; Popa O.; et all,. 2018, Education management in the field of life sciences-skills needed to start and develop an innovative SME (**accepted, in press**) Scientific Papers, Series Management, Economic Engineering In Agriculture And Rural Development, ISSN 2284-7995.

E. Articole aparute in alte publicatii, sau in publicatii recunoscute CNCSIS

1. **Radu, N.**, Meghea, A., Marica e., Sandru L, Bondar, E., 2005. Studies regarding biological effect generated by some fertilisers with microbial biomass, Edited by AISTEDA, Bucuresti, 34, ISBN 973-8408-121 (**Indexat CNCSIS categoria B**).

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3. 4.Zambila, **N., Radu**, N., Chirvase, A.A., Marica, E. 2005. Biofertilisers with nitrogen fixing bacteria on organomineral support, Edited by AISTEDA, 13, Bucharest, ISBN 973-8408-12-1. (**Indexat CNCSIS categoria B**).

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8. **Nicoleta Radu**, Ana Aurelia Chirvase, Narcisa Babeanu, Ovidiu Popa, Renata Steponaviciene, Fantxo Hastaran, 2014. Modern learning for bioentrepreneurs training in sustainable development applications. 15-th EUROPEAN CONFERENCE E-LEARNING / "E-TIVITIES" / E-HEALTH. BUCURESTI, ASE, 7-8 October 2014. Preprints published by IPA SA Publishing House under ISSN-2392-7240, ISSN-L 2066-6829.

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F. BREVETE DE INVENTIE

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G. COMUNICARI STIINTIFICE PREZENTATE LA CONFERINTE INTERNATIONALE

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2. Lanyi Szabolcs, Ioana Jitaru, **Nicoleta Radu** "The Compound of Urea With Calcium And Magnesium NITRATE" ICC34 -UK Edinburgh, July 2000

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8. C.Ungureanu, R.Dima, A.Chirvase, O.Muntean, **N. Radu**, A.Onu, A. Salageanu. Ultrafiltration of a bacterial immunomodulator for pharmaceutics use-expert and design The 7th. European Symposium on Biochemical Engineering. Faro, Portugal, **2008**, 7-10 Sept.
9. Chirvase A., Tcacenco., L, **Radu, N.**, Ungureanu C, Characterisation of two yeast strains as lipase producers for the vegetal oils trans esterification to biodiesel, 42nd IUPAC Congress, Chemistry solutions, 2-7 August 2009, SEEC, Glasgow, Scotland, UK.
10. Chirvase A., Tcacenco L, **Radu, N.** Ungureanu, C, Minodora L, Testing of Lipase-producing Yeasts for Enzymatic Trans esterification to Biodiesel, 2nd International Congress on Biodiesel: The science and the Technologies, 15-17 Nov., 2009, Munich, Germany.
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22. Nicoleta Radu, Mihai C. Corobea, Ileana Rau. Nanomaterials with potentially therapeutic applications in wound healing. 12th International Conference on Frontiers of Polymers and Advanced Materials (ICFPAM 2013) December 08- December 13, 2013 Auckland, New Zealand.

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27. **Radu N.**, Roman V., Bostan M., Rău I. Biomaterials obtained from probiotic consortia of microorganisms. Potential applications in regenerative medicine. 13th INTERNATIONAL CONFERENCE on FRONTIERS of POLYMERS & ADVANCED MATERIALS, **29 March-3 April 2015**, Marrakech, Maroc.

28. **Radu N.**, Ghita I., Coman O., Rau I. Study regarding biological activity "in vitro" and "in vivo", of biomaterials obtained from metabolites of *Monascus sp.* 13th INTERNATIONAL CONFERENCE on FRONTIERS of POLYMERS & ADVANCED MATERIALS, **29 March-3 April 2015**, Marrakech, Maroc.

29. Ana Aurelia Chirvase , **Nicoleta Radu** , Narcisa Babeanu , Fantxoia Hastaran , Birute Velykiene. Innovative training solutions of entrepreneurs from the life science fields. Section: Environment engineering and protection of cultural heritage, International Symposium Priorichem, October, 2015, Bucharest, Romania

30. **Nicoleta Radu** Ana Aurelia Chirvase , Narcisa Babeanu, Fantxoia Hastaran , Birute Velykiene. Key competences needed to start and develop the innovative sme's in the field of life sciences. Section: Environment engineering and protection of cultural heritage, International Symposium Priorichem, October, 2015, Bucharest, Romania

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7240, ISSN-L 2066-6829, Bucharest, ROMANIA

34. Ana Aurelia Chirvase, **Nicoleta Radu**, Narcisa Babeanu, Fantxoia Hastaran, Renata Steponaviciene. Key competences needed to start and to develop innovative sme's in the bio economic sector targeted to sustainable development applications, Electronic paper EUROPEAN CONFERENCE E-COMM-LINE 2014, Preprints published by IPA SA Publishing House under ISSN-2392-7240, ISSN-L 2066-6829 Bucharest Romania.

H. COMUNICARI STIINTIFICE PREZENTATE LA CONFERINTE NATIONALE

1. Ligia Stoica, Ioana Jitaru, **Nicoleta Radu** " Phosphate Obtaining by Nonconventional Methods. I Influencing Factors and Optimal Parameters." National Conference of Chemistry, Bucharest, 1999.

2. Ligia Stoica, Ioana Jitaru, **Nicoleta Radu** „Phosphate Obtaining by Nonconventional Methods. II Physical-Chemical Characterization of the Obtained Compounds." National Conference of Chemistry, Bucharest, 1999

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4 Ligia Stoica, **Nicoleta Radu**, Anca Razvan, Regenerative studies on separation of phosphate from aqueous solutions using unconventional methods. Note II. Types of fertilizers obtained by processing solid phase separation process resulting from dissolved air flotation. Days Romanian chemistry - Chemistry Symposium ICECHIM performance in the third millennium "-26 to 28 June 2001

5. Ligia Stoica, **Nicoleta Radu**, Phosphate fertilizers by microelements obtaining by unconventional method from aqueous system impurified with $P_0_4^{3-}$ " International Conference of Chemistry, University Politehnica of Bucharest, 2001

6. Constantin, S., **Nicoleta Radu**, New technologies for obtaining efficient fertilizer - paper presented at "The days of Romanian chemistry", ICECHIM Symposium: Performance in the third millennium" June 2001, Bucharest

7. Ligia Stoica, **Nicoleta Radu**, Complex Fertilizers Obtaining by Unconventional Method From Aqueous System Impurified With $P_0_4^{3-}$ " International Conference of Chemistry, Universitatea Politehnica, Bucharest, 2001

8. **Radu, N.**, Marica, E., Sandru, L., Rau, I., 2003, Biological activity tests for phosphate materials isolated by flotation, National Congress of Biotechnology with International Communion, Bucharest, Romania, (paper published on Compact Disc)

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16. Nicoleta Radu, Ana Aurelia Chirvase, Nela Zambila, Elena Bucur, Lucia Sandru. Efficiency of bio-products with bacteria nitrogen fixing symbionts, International Symposium "Priorities of chemistry for a Sustainable Development organized by ICECHIM, Bucharest, in October. 2006

17. O.A.coman, I.Ghita, **N.Radu**, A.Segarceanu, H.Paunescu, I.Fulga, Experimental study on analgesic effect of polysaccharide extract of Plantago sp. Medicines Days, Ed XV, May 2006. Abstract in Algesiologie and Pharmacology, pp. 155, ISBN (10) ,973-7906-90-X Edited by Gr.T.Popa, Iasi, Romania, 2006

18. Ungureanu C, **Radu N.**, Chirvase A., Muntean O., " Aerobic bioprocess optimization getting imunomodulator from *Pseudomonas aeruginosa* "National Symposium with international participation PRIORICHEM October 2007, Bucharest.

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20. Mihai Cosmin Corobea, Dan Donescu, Cristian Petcu, **Nicoleta Radu**, Ana Aurelia Chirvase Biologically active nano produsct obtained from iridoids - The XXX National Conference of Chemistry CALIMAN § your hat, October, 2008 Calimanesti-Caciulata, Valcea, Romania

21. Nicoleta RADU, Cosmin Corobea, Sanda Doncea, et all. Characterization of microbial pigments produced by microorganisms Ascomyces class, potential raw material for obtaining nanomaterials with applications in therapy. "8th edition of Nanoscience and Nanotechnology of the National Seminar, 27 April 2009.

22. A. A. Chirvase, **N.Radu**, Biorafinării, oportunități pentru intrarea într-o afacere într-o nouă generație de biotehnologie sustenabilă. INCDȘB Annual Scientific Session, December 17, 2009, Bucharest, Romania.

23. C. Ungureanu, A. A. Chirvase, M. Caramihai, **N. Radu**, The intelligent modelling of the biotechnologies for the human bio therapeutics preparation. International Symposium on Chemistry for sustainable development priorities PRIORICHEM, Abstract works, p. 88, ISBN 978-973-0-06996-9, 29-30 October, **2009**, Sinaia, Romania.

24. Ana Aurelia Chirvase, Luminita Tcacenco, Elena Berteanu, Irina Lupescu, **Nicoleta Radu**, Stela Popovici. Biocatalysts for transesterification of vegetable oils to biodiesel. National Symposium with international participation. PRIORITIES OF CHEMISTRY FOR A SUSTAINABLE DEVELOPMENT PRIOCHEM October 28 to 29, 2010 Bucharest, ROMANIA

I. Proiecte coordonate în calitate de Șef proiect/ Director proiect/ Responsabil tema

PROIECTE NATIONALE		
IDENTIFICARE PROIECT/NUME PROIECT /BENEFICIAR	FUNCTIA	PERIOAD
1. Contract nr. 152/1996-1997. Studii de obtinere ingrasaminte lichide pentru sere. Beneficiar: MCT.	SEF PROIECT IITPIC Bucuresti	1995-1997
2. Contract nr. 152/1996, Ad.40/1997. Studii privind redimensionarea echipamentelor din fabricile de superfosfat in vederea modernizarii. Beneficiar: MC	SEF PROIECT IITPIC Bucuresti	1996-1997
3. Contract nr. 126/46/1997. Date tehnice privind emisiile de poluanti provenite din industria chimica anorganica. Beneficiar: ICPEAR Bucuresti.	SEF PROIECT IITPIC Bucuresti	1997
4. <i>Contract nr. 100/3006/1997.</i> Bilant de mediu pentru o statie de distributie produse perochimice. Beneficiar: S.C. WINEX S.A OLT	SEF PROIECT IITPIC Bucuresti	1997
5. Contract nr. 013/222/1997. Instatii ecologice pentru fabricile de superfosfat. Beneficiar: S.C. NITRAMONIA S.A Fagaras, Romania.	SEF PROIECT IITPIC Bucuresti	1997
6. Contract nr. 100/3109 1998. Bilant de mediu nivel I si II. Beneficiar: ELECTROCARBON SLATINA, Romania.	SEF PROIECT IITPIC Bucuresti	1998
7. Contract nr. 6122 GR / 2000-2001 Studiu de solutii tehnologice optime privind recuperarea ortofosfatilor din solutii apoase diluate cu obtinere de ingrasaminte Beneficiar: Ministerul Educatiei si Cercetarii Valoare: 4.850 €	DIRECTOR PROIECT IITPIC Bucuresti (an 2000) Universitatea Politehnica Bucuresti (an 2001)	2000-2001
8. Proiect PN 04.39.01.03./2004 .Studii privind impactul de mediu generat de separarea recuperative a nutrientilor din apele reziduale industriale. Beneficiar MCT. Valoare: 18.276 €	RESPONSABIL PROIECT I.N.C.D.C.P. Bucuresti	2005

Nr. crt	Numar proiect /Denumire proiect/ Beneficiar/Valoare contractata	Calitate in proiect/perioada
9.	Contract Biotech 063/2001. Biotehnologii de valorificare a deeurilor industriale rezultate din fabricatiile de antibiotice in vederea obtinerii de fertilizanti. Beneficiar: MCT Valoare contract: 96.643€	DIRECTOR PROIECT I.N.C.D.C.P. Bucuresti 2001-2004
10.	Contract BIOTECH 4597/2004. Utilizarea biomasei fungice in bioremedierea apelor reziduale cu impurificare specifica. Beneficiar: MCT. Valoare contract: 39.164 €	DIRECTOR PROIECT I.N.C.D.C.P. Bucuresti 2004-2006
11.	Contract CEEX 6/2005. Biotehnologii avansate de preparare a unor produse biologice terapeutice de uz uman si de diagnostic cu integrare unor metode optimizate de asigurare a calitatii si de control in conformitate cu standardeler si normele europene GMP. Beneficiar: MCT. Valoare contract: 26.316 €	RESPONSABIL PROIECT partener I.N.C.D.C.P. Bucuresti 2005-2007
12.	Contract . PN II 62-070/2008. Conceperea si dezvoltarea unor biotehnologii inovative de obtinere a nanopreparatelor din <i>Monascus sp.</i> cu aplicatii potientiale in terapie. Beneficiar: CNMP. Valoare contract: 500.000 €	DIRECTOR PROIECT I.N.C.D.C.P. Bucuresti 2008-2011
13	Contract PN 09.09.01.04 /2012 . Biotehnologii de obtinere produse pentru biostimulare, biofertilizare si antagonism microbian. Beneficiar: ANCS. Valoare contract: 203.260 €	RESPONSABIL PROIECT I.N.C.D.C.P. Bucuresti 2012

J. Membru in colectiv proiecte internationale

1.	Contract no.214/2001. Unconventional method applied to wastewater metal depollution. International Research grant between Politehnica University of Bucharest - Univ. Thessaloniki, Greece	Membru in colectiv	2001
2.	Contract EUREKA, no. E 3100/CAWB/2004-2005. Immobilized biofilm used at organic charge removal from wastewater.	Membru in colectiv	2004-2005
3.	Pilot project nr. RO/B/F/PP 141028 December 2000-February 2004.Euro competencies Transfer in Vocational Guidance for Young Specialists in Bioscience Field	Membru in colectiv	2001-2004
4.	Project nr. 2013-1-RO1-LEO05-28758 ; period : nov.2013-nov.2015 IMPROVED CURRICULA AND MODERN LEARNING SYSTEM TO PROMOTE THE NEW DIRECTIONS OF BUSINESS ENHANCEMENT IN LIFE SCIENCES APPLICATIONS	Membru in colectiv	2013-2015

K. Membru in echipa proiecte nationale

	Membru in echipa proiecte nationale	Funcția	perioada
1.	Contract nr. B4849 / 1999-2000. Strategii de restructurare a industriei de ingrasaminte. Beneficiar : Ministerul Industriei si Comertului	Membru in echipa	2000
2.	Contract RELANSIN nr.500/13.01.2000. Armonizarea standardelor romanesti cu legislatia uniunii europene – subramura ingrasaminte. Beneficiari: ANSTI, SC AZOMURES SA Targu Mures, S.C.TURNU SA Turnu Magurele	Membru in echipa	2000
3.	Contract AMCSIT nr. 886/18.09.2000. Noi tehnologii pentru obtinerea ingrasamintelor solide performante. Beneficiari: ANSTI, S.C.AZOMURES SA Targu Mures, S.C. TURNU SA, Turnu Magurele	Membru in echipa	2000-2001
4.	Contract ANSTI-MEC.495/2001-2002. Metode neconventionale de separare a sistemelor apoase contaminate cu anioni si valorificarea acestora sub forma de oxizi sau saruri. Beneficiar: ECOIND Bucuresti, ANSTI-MEC	Membru in echipa	2001-2002
5.	Contract AMCSIT no. 884/2000. Tehnologii avansate de obtinere a ingrasamintelor cu sulf in vederea asigurarii solului cu sulf solubil. Beneficiar: ANSTI-MEC	Membru in echipa	2000-2002
6.	Contract BIOTECH 015/2001: Obtinerea de produse farmaceutice cu actiune dermatologica utilizand plante din familia Cruciferae . Beneficiar: CNMP	Membru in echipa	2001-2004
7.	Contract BIOTECH 016/2001. Valorificarea totala a catinei (<i>Hippophae rhamnoides</i>) prin metode neconventionale. Beneficiar: CNMP	Membru in echipa	2001-2004
8.	Contract VIASAN no124/2004. Obtinerea unei noi generatii de biopreparate din <i>Plantago sp.</i> . Beneficiar: Academia de Stiinte Medicale, MCT	Membru in echipa	2004-2006
9.	Contract CEEX no.27/2005. Produse biotehnologice cu activitate de biostimulare, biofertilizare si antagonism microbian cu aplicatii in agricultura durabila. Beneficiar: CNMP	Membru in echipa	2005-2008
10.	Contract BIOTECH 4600/2004. Controlul interfazic si al produsului finit la tehnologia de obtinere a biopreparatelor cu bacterii simbiote fixatoare de azot. Beneficiar CNMP	Membru in echipa	2004-2007
11.	Contract CEEX .177/2006. Nanopreparate terapeutice pe baza de iridoide izolate din specii vegetale indigene. Beneficiar: CNMP	Membru in echipa	2006-2009
12.	Contract PNII 61-028/2007. Obtinerea unor produse cu activitate hipoglicemianta. Beneficiar: CNMP	Membru in echipa	2007-2010

13.	Contract PNCDII . 61-032. Dezvoltarea unor sisteme biocatalitice avansate pentru transesterificarea uleiurilor vegetale la biodiesel. Beneficiar: CNMP	Membru in echipa	2007-2010
14.	PNCDIII - Contract no. 62-051. Algoritmi avansati de decizie multicriteriala si conducerea inteligenta a biotehnologiilor de preparare a produselor terapeutice de uz uman Beneficiar: CNMP	Membru in echipa	2008-2011
15.	Contract 34N. Valorificarea biotehnologica a substraturilor reziduale industrial de provenienta animal utilizand proprietatile biodegradative ale microfungilor keratinolitici. Beneficiar: UEFISCDI.	Membru in echipa	2016-2017
16.	Contract nr. 51PCCDI/2018. Tehnologii noi de diagnoza si tratament pentru conservarea si revitalizarea componentelor arheologice ale patrimoniului cultural national. Beneficiar: UEFISCDI.	Membru in echipa	2018-2020
17.	Contract PN 1822 0401/2018. (Program Nucleu denumit NextT CHEM) . Arhitecturi sinergice membrane-nanomateriale pentru retentia si distrugerea deseurilor medicamentoase Beneficiar: UEFISCDI. Perioada de realizare:martie 2018-dec 2018	Membru in echipa	2018

Semnatura: *N. Radu*

Data: iunie 2018: