

Curriculum vitae

INFORMAȚII PERSONALE:

Nume:
Adresă:
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Naționalitate:
Data nașterii:
Locul nașterii:

PREDA ANISOARA

Str. Nuferilor, nr.12, Baile Govora, Valcea, Romania
+40745613984
+40350811518
adelina_preda@yahoo.com
Romana
29 septembrie 1972
Ramnicu Valcea, Valcea

Chimie, Chimie analitică, Protecția mediului

DOMENII DE COMPETENȚĂ:

■ 2001 – 2008

Universitatea din Craiova
Facultatea de Chimie

Doctorand Specializarea: *Chimie Analitică*

Teza de doctorat: **Analiza speciilor izotopice ale hidrogenului din probe gazoase și lichide prin CG și MS. Optimizarea metodei de separare CG.**

EDUCAȚIE ȘI FORMARE:

■ 1996 – 2000

Universitatea din Craiova
Facultatea de Științe

Specializarea: *Chimie*

Student

Media: 8.39

Diploma: Seria:R Nr. 0130052 eliberată sub numărul 4727 la data de: 20.06.2001

■ 1987 – 1991

Liceul Teoretic Baile Govoral, Baile Govora, Valcea

Diplomă de Bacalaureat

Media: 8.32

Diploma de bacalaureat Seria I Nr. 224073 eliberată sub numărul 24 la data de: 30.08.1991

■ 2006 – prezent

Cercetator științific gradul III - CS III

Institutul Național de Cercetare–Dezvoltare pentru Tehnologii Criogenice și Izotopice – I.C.S.I. Ramnicu Valcea

Sectia Pilot Criogenic

Activitate de cercetare dezvoltare

EXPERIENȚĂ PROFESIONALĂ:

**APTITUDINI ȘI
COMPETENȚE
PERSONALE:**

AFILIERI PROFESIONALE:

ALTE MENȚIUNI:

LIMBA MATERNĂ:

**LIMBI STRĂINE
CUNOSCUTE:**

■ **2004 – 2006**

Cercetator stiintific - CS

Institutul National de Cercetare–Dezvoltare pentru Tehnologii Criogenice si Izotopice – I.C.S.I. Ramnicu Valcea
Sectia Pilot Criogenic
Activitate de cercetare dezvoltare

■ **Aprilie 2004 – Octombrie 2004**

Asistent de cercetare - ACS

Institutul National de Cercetare–Dezvoltare pentru Tehnologii Criogenice si Izotopice – I.C.S.I. Ramnicu Valcea
Sectia Pilot Criogenic
Activitate de cercetare dezvoltare

■ **2001 – 2004**

Chimist

Institutul National de Cercetare–Dezvoltare pentru Tehnologii Criogenice si Izotopice – I.C.S.I. Ramnicu Valcea
Sectia Pilot Criogenic
Activitate de cercetare dezvoltare

■ Specialist în Chimie, specializarea: Chimie, a Facultății de Chimie.

■ Am facut parte din colectivul de lucru in peste 25 de proiecte de cercetare.

■ Am publicat 23 lucrări de specialitate, dintre care 15 cu cotație ISI.

■ Am participat la 28 de manifestari stiintifice nationale si internationale

■ Am participat la “Interacademic Exchange 21 octombrie – 04 noiembrie 2005 Sankt Petersburg”, schimb interacademic intre Academia Romana si Academia Rusa.

■ Certificat de competențe lingvistice la limba engleză, eliberat de Universitatea din Craiova, Facultatea de Litere și Istorie, Catedra de Limbi Anglo-Americane;

■ Certificat de Formare auditori interni pentru laboratoarele de incercari si etalonari

■ Certificat pentru absolvirea modului pedagogic, eliberat de Universitatea din Craiova, Facultatea de Științe.

■ Certificat pentru absolvirea cursului de operare PC, Centrul Teritorial de Instruire Autorizat SOFTEXPRESS SA Valcea, 1996.

Membru în societăți științifice și profesionale

■ Membru al Societății de Chimie din România, din 2004;

■ Membru al societății Asian Journal of Chemistry:

Limba Română

Limba Engleză: bine

Limba Franceză: satisfactor

Lista de lucrari publicate

1. **A. Preda**, F. Vasut, N. Bidica, C. Dragoiu – *“Influence of Radioactive Isotopes Upon Environment”*- Studia Universitatis Babes-Bolyai, Special Issue 2, XLVIII, 2003, pag. 571-573, ISSN 0370-8578.
2. Felicia Vasut, **Anisoara Preda**, Marius Zamfirache – *“Studies about Interaction of Hydrogen Isotopes with Metals and Intermetallic Compunds”* - Nuclear Energy for Central Europe 2003 Portoroz-Slovenia, 8-11 Septembrie 2003 Publicata in Proceedings-ul Conferintei, pag. 501.1-501.5, ISBN 961-6207-21-0.
3. F. Vasut, D. Lupu, M. Zamfirache, D. Axente, **A. Preda** – *“Dispozitive de stocare a izotopilor hidrogenului pe metale si compusi intermetalici”* – Universitatea Politehnica Bucuresti, Facultatea de Energetica, pag. 381-387, ISBN 973-684-079-8.
4. **A. Preda**, F. Vasut, C. Pearsica - *“Olt River Pollution with Heavy Metals in Ramnicu Valcea Area”* - Studia Universitatis Babes-Bolyai, Physica, L, 4b, 2005, pag. 730-733, ISSN 0258-8730.
5. F. Vasut, **A. Preda**, M. Zamfirache, C. Ducu, V. Malinovski - *“Comparative Study about Hydrogen Sorption in Sponge and Powder Titanium”* - Studia Universitatis Babes-Bolyai, Physica, L, 4a, 2005, pag. 365-368, ISSN 0258-8730.
6. **A. Preda**, C. Barbu, A. Popescu – *“The Study of Heavy Metals Distribution on the Olt River Course around Ramnicu Valcea Area”* – Ovidius University Annals of Chemistry, Volume 17, Number 1, 2006, pag 74-78, ISSN 1223-7221.
7. C. Barbu, **A. Preda**, A. Popescu – *“The Study of Heavy Metals Distribution on the Jiu River Course”* - Ovidius University Annals of Chemistry, Volume 17, Number 1, 2006, ISSN 1223-7221.
8. F. Vasut, **A. Preda**, M. Zamfirache, C. Ducu, V. Malinovski - *“Comparative Study about Hydrogen Sorption in Sponge and Powder Titanium”*- Progress of Cryogenics and Isotopes Separation, Number 15-16/2005, pag 72-77, ISSN-1582-2575.
9. F. Vasut, I. Stefanescu, N. Bidica, A. Bornea, **A. Preda**, M. Zamfirache, C. Ducu - *“Study about sorption in sponge and powder titanium of hydrogen*

- isotopes obtained from a cryogenic distillation process*” publicata in revista Renewable Energy 33 (2008) pag. 216-220 ISSN 0960-1481
10. **Anisoara Preda**, Alexandru Popescu, Cristina Barbu, Simona Sbirna, Felicia Vasut, Claudia Pearsica, Sebastian Brad – *“Determination of heavy metals concentration on Olt River from Valcea area by atomic absorption spectrometry”*- Asian Journal of Chemistry, Vol. 20, No 3(2008), pag. 1893-1899, ISSN 0970-7077
 11. Cristina Barbu, Alexandru Popescu, **Anisoara Preda** and Valentin Brănescu – *“Determination of Toxic Heavy Metals Present in Jiu River Water using ICP- MS”* - Asian Journal of Chemistry, Vol. 20, No 3(2008), pag. 2037-2046, ISSN 0970-7077
 12. **A. Preda**, Nicolae Bidica, Alexandru Popescu, Cristina Barbu, Simona Sbirna, Felicia Vasut, Claudia Pearsica - *“Gas-Chromatographic Separation of Hydrogen Isotopes Mixtures on Capillary Molecular Sieve 5A Column”* - Asian Journal of Chemistry, Vol. 20, No 6 (2008), pag. 4883-4886, ISSN 0970-7077.
 13. **A. Preda**, C.Pearsica, A. Bornea, F. Vasut, M. Zamfirache *“Analysis of the isotopes hydrogen mixtures from cryogenic distillation separation using Gas Chromatography”*- Asian Journal of Chemistry, Vol. 20, No 8 (2008), pag. 6263-6268 , ISSN 0970-7077.
 14. C. Pearsica, L. O. Stefan, **A. Preda**, F. Vasut *“The Condenser Liquid Level Influence in a Cryogenic Distillation Column Operation”* - Asian Journal of Chemistry, Vol.21 No.1(2009), pag. 231-238, ISSN 0970-7077.
 15. F.Vasut, **A.Preda**, M.Zamfirache, A.M.Bornea, I.Stefanescu, C.Pearsica *“Improvement of Pt/C/PTFE catalyst type used for hydrogen isotopes separation”*-Fusion Science and Technology, Vol. 54, Aug. 2008, pag. 437-439, ISSN 1546-1055
 16. Anisia Bornea, M. Zamfirache, Ioan Stefanescu, **Anisoara Preda**, Ovidiu Balteanu, Ioana Stefan – *“Investigation related to hydrogen isotopes separation by cryogenic distillation”*- Fusion Science and Technology, Vol. 54, Aug. 2008, pag. 426-429, ISSN 1546-1055
 17. C.M. Barbu, A. Popescu, D. Selișteanu, A. Preda, *The study of the concentrations of the heavy metals from the Jiu River, in post communist*

Romania”, Journal Environmental Protection and Ecology, book 3, vol. 9 (2008), ISSN: 1311-5065.

18. **A. Preda**, A. Bornea, C. Pearsica, F. Vasut – “*Gas-Chromatographic Analysis of Mixtures of Hydrogen Isotopes using different Parameters*”- Refrigeration Science and Technology Proceedings, No 2008-1, pag. 337-343, ISSN 0151-1637, ISBN 978-2-913149-62-5.
19. C. Pearsica, L. Stefan, **A. Preda**, F. Vasut – “*Cryogenic Distillation Column Behavior at the Variation of an External Factor*”- Refrigeration Science and Technology Proceedings, No 2008-1, pag. 319-324, ISSN 0151-1637, ISBN 978-2-913149-62-5.
20. **Anisoara Preda**, Felicia Vasut, Claudia Pearsica, I. Stefanescu, S. Brad, “*Comparative Studies Between Hydrophobic Catalyst Prepared for Isotopic Exchange Process*” – Acceptat in Asian Journal of Chemistry, Vol 21, 2009, ISSN 0970-7077
21. **Anisoara Preda**, Claudia Pearsica, Felicia Vasut, I. Stefanescu, S. Brad, Cristina Barbu, Alexandru Popescu “*The Study of the separation of Hydrogen isotopes mixtures using different concentrations of gas mixtures by Gas Chromatography*”, - Acceptat in Asian Journal of Chemistry, Vol 21, 2009, ISSN 0970-7077
22. C.M. Barbu, A. Popescu, **A. Preda**, D. Selișteanu, D. Stanca, Ș.V. Brănescu, “*The determination of the concentrations of Cr³⁺ and Cr⁶⁺ on the Jiu River Course using ICP-MS and on the Olt River using AAS*”- Acceptat in Asian Journal of Chemistry, Vol 21, 2009, ISSN 0970-7077.
23. Barbu Cristina Mihaela, **Preda Anisoara**, Ghitulescu Alina, Popescu Alexandru, Petre Emil, Sendrescu Dorin, Branescu Valentin, “*The study of heavy metals concentration on the main rivers from Valcea area*”- Acceptat in Asian Journal of Chemistry, Vol. 21, No. 3 (2009)

Lucrari prezentate la manifestari stiintifice nationale si internationale

1. F. Vasut, M.Zamfirache, C. Pearsica, **Anisoara Preda**, N. Bidica – *“Experimental study about hydrogen isotopes storage on titanium bed”* – 4th International Yugoslav Nuclear Society Conference, 30 Sept.-04 Oct. 2002, Belgrad, Yugoslavia.
2. **Anisoara Preda**, N. Bidica, V. Stanciu – *“Gas-chromatographic separation of hydrogen isotopes mixtures on capillary molecular sieve 5A column at 173 K”* – Conferinta Progrese in criogenie si separari izotopice, 10-11 Oct. 2002, Calimanesti-Caciulata, Romania.
3. F.Vasut, D. Lupu, M. Zamfirache, D. Axente, **Anisoara Preda** – *“Dispozitive de stocare a izotopilor hidrogenului pe metale si compusi intermetalici”* – Sesiunea Stiintifica MENER 2002, 21-22 Noiembrie 2002 Bucuresti.
4. Felicia Vasut, **Anisoara Preda**, Marius Zamfirache – *“Studies about Interaction of Hydrogen Isotopes with Metals and Intermetallic Compounds”* - Nuclear Energy for Central Europe 2003 Portoroz-Slovenia, 8-11 Septembrie 2003 Publicata in Proceedings-ul Conferintei;
5. **Anisoara Preda**, F. Vasut, N. Bidica, C. Dragoiu – *“Influence of Radioactive Isotopes Upon Environment”* – Procese Izotopice si Moleculare, 27-29 Septembrie 2003 Cluj – Napoca;
6. Felicia Vasut, Marius Zamfirache, **Anisoara Preda** – *“Study about burning of hydrogen isotopes on metallic catalyst, in detritiation pilot plant for CANDU reactors”*- Solid State Chemistry 2004 Praga-Cehia, 12-17 Septembrie 2004.
7. F. Vasut, **Anisoara Preda**, M. Zamfirache, C. Ducu, V. Malinovski – *“Comparative Study about Hydrogen sorption in sponge and powder titanium”* — “1st South East European Congress of Chemical Engineering”, Belgrad 25-28 Septembrie 2005;
8. **Anisoara Preda**, F. Vasut, C. Pearsica – *“Olt River Pollution with Heavy Metals in Ramnicu Valcea Area”*, Conferinta PIM 2005 Cluj Napoca - 22-24 Septembrie 2005 Cluj-Napoca.

9. F. Vasut, **Anisoara Preda**, M. Zamfirache, C. Ducu, V. Malinovski – *“Comparative Study about Hydrogen sorption in sponge and powder titanium”*, Conferinta PIM 2005 Cluj Napoca - 22-24 Septembrie 2005 Cluj-Napoca;
10. **Anisoara Preda**, N. Bidica – *“Gas–Chromatohraphy Separation of Hydrogen Isotopes Mixtures”*, Progrese in Criogenie si Separari Izotopice – 12-14 Octombrie 2005 Calimanesti.
11. **Anisoara Preda**, C. Barbu, Al. Popescu, C. Pearsica – *“The Study of Heavy Metals Distribution on the Olt River Course around Ramnicu Valcea Area”*, Conferinta Nationala Chimia 2006, 12-13 Mai, Constanta.
12. C. Barbu, **Anisoara Preda**, Al. Popescu – *“The Study of Heavy Metals Distribution on the Jiu River Course”*, Conferinta Nationala Chimia 2006, 12-13 Mai, Constanta.
13. **Anisoara Preda**, Felicia Vasut, Claudia Pearsica, Sebastian Brad – *“Comparative Studies between Hydrophobic Catalysts Used in Isotopes Exchange”* – SIZEMAT, Mai 25-27, 2006, Varna, Bulgaria.
14. F. Vasut, N. Bidica, I. Stefanescu, A. Bornea, **Anisoara Preda**, M. Zamfirache, C. Ducu – *„Study about sorption in sponge and powder titanium of hydrogen isotopes obtained from a cryogenic distillation process „* – Iunie 2006, Nice, France.
15. Anisia Bornea, Marius Zamfirache, **Anisoara Preda**, Ovidiu Balteanu – *“Experimental results to determine the separation performance of the packages used in cryogenic distillation isotopes”*, Conferinta 17th International Symposium on Transport Phenomena 2006/09/4-8, Toyama International Conference Center.
16. C.M. Barbu, Al. Popescu, D. Selishteanu, **Anisoara Preda** - *“The study of the concentrations of the heavy metals from the Jiu River, in post communist Romania”*, International Conference Sustainable Development in the Balkan Area: Vision and Reality, Alba Iulia, Romania, 2007
17. Anisia Bornea, M. Zamfirache, I. Stefanescu, **Anisoara Preda**, Ovidiu Balteanu, Ioana Stefan – *“Investigation related to hydrogen isotopes separation by cryogenic distillation”*, University of Rochester’s – Laboratory for Laser Energetics, 16-21 Septembrie 2007.
18. Felicia Vasut, M. Zamfirache, Claudia Pearsica, **Anisoara Preda** – *“Sorption of hydrogen on sponge titanium; Parameters influencing the process”*, The Fifth

- Conference "Isotopic and Molecular Processes" 2007, Septembrie 20 – 22 Cluj-Napoca, Romania.
19. Cristina Barbu, **Anisoara Preda**, Al. Popescu, Dan Selisteanu – *“The determination of the concentrations of heavy metals on the Jiu River using ICP-MS, and on the Olt River using AAS”*, The Fifth Conference "Isotopic and Molecular Processes" 2007, Septembrie 20 – 22 Cluj-Napoca, Romania.
 20. Mihaela Vladu, **Anisoara Preda**, Felicia Vasut, Claudia Pearsica, Cristina Barbu – *“Experimental study about determination of gamma-activ isotopes from environment samples (soil, vegetation, sediments)”*, The Fifth Conference "Isotopic and Molecular Processes" 2007, Septembrie 20 – 22 Cluj-Napoca, Romania.
 21. Mihaela Vladu, **Anisoara Preda**, Felicia Vasut, Claudia Pearsica, Alina Ghitulescu – *“Calculation of the radionuclides dispersion in atmosphere, as the results of operating a cryogenic pilot plant”*, The Fifth Conference "Isotopic and Molecular Processes" 2007, 20 – 22 Septembrie, Cluj-Napoca, Romania.
 22. Anisia Bornea, Marius Zamfirache, **Anisoara Preda**, Ovidiu Balteanu – *“Experimental results to determine the separation performance of the packages used in cryogenic distillation isotopes”*, International Symposium on Fusion Nuclear Technology, FZK Karlsruhe, 30- Septembrie -05 Octombrie 2007.
 23. **Anisoara Preda**, A. Bornea, C. Pearsica, F.Vasut - *“Gas-Chromatographic Analysis of Mixtures of Hydrogen Isotopes using different Parameters”*, The tenth CRYOGENICS 2008 IIR International Conference, Praga, Cehia, 21-25 Aprilie 2008.
 24. C. Pearsica, L. Stefan, **Anisoara Preda**, F. Vasut - *“Cryogenic Distillation Column Behavior at the Variation of an External Factor”*, The tenth CRYOGENICS 2008 IIR International Conference, Praga, Cehia, 21-25 Aprilie 2008.
 25. F. Vasut, I. Stefanescu, N.Bidica, **Anisoara Preda**, C. Pearsica (David) - *“Storage of Hydrogen Isotopes on Metallic Titanium”*, Nuclear Energy for New Europe 2008, 8-11 Septembrie 2008, Portoroz, Slovenia
 26. Claudia David, Ioan Stefanescu, Felicia Vasut, **Anisoara Preda**, Alina Ghitulescu – *“The Instability Analysis of the Cryogenic Distillation Column Condenser”*, “Nuclear Energy for Central Europe 2008”, 8-11 Septembrie 2008, Portoroz, Slovenia

27. **Anisoara Preda**, Anisia Bornea, Claudia Pearsica, Felicia Vasut, Cristina Barbu, Al. Popescu – *“Gas-chromatofgraphic analysis of mixtures of hydrogen isotopes using different samples loops”*, The Sixth "PIM" Conferinta "Isotopic Processes" 2008, 22 – 24 Septembrie, Cluj-Napoca, Romania.
28. Cristina Barbu, Dan Selisteanu, **Anisoara Preda**, Alina Ghitulescu – *“The study of the distribution of some heavy metals on the main tributaries of the Jiu river course using ICP-MS”*, The Sixth "PIM" Conferinta "Isotopic Processes" 2008, 22 – 24 Septembrie, Cluj-Napoca, Romania.