




Curriculum vitae
Europass

Personal information	
First name/Surname	NEAGU ANCA-NARCISA
Address	„Alexandru Ioan Cuza” University of Iași, Faculty of Biology, Department of Biology Laboratory of Animal Histology and Confocal Microscopy, Carol I Blvd, 20A, 700505, building B, Room B-208, Iași, Romania
Telephone	+40 0232 201667
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Nationality	Romanian
Desired employment / Occupational field	„Alexandru Ioan Cuza” University of Iași, Faculty of Biology, Department of Animal Biology, Laboratory of Animal Histology & Confocal Microscopy Education and Scientific Research
Work experience	
Date	1.10.2024 to present
Occupation or position held	Associate Professor
Main activities and responsibilities	Education and Research: Animal Histology, Developmental Biology, Animal Ecomorphology, Human Anatomy and Physiology, Bioindicators of Environmental Quality, Microscopy, Xenobiotic Cycle in Nature, Immunohistochemistry, Molecular Biomarkers
Name and address of employer	„Al. I. Cuza” University of Iași, Faculty of Biology, Blvd. Carol I 20A, 700505, Iași, Romania
Type of business or sector	Education and Research
Date	25.02.2005 to 1.10.2024
Occupation or position held	Assistant Professor
Main activities and responsibilities	Education and Research: Animal Histology, Developmental Biology, Animal Ecomorphology, Animal Embryology, Human Anatomy and Hygiene, Comparative Anatomy of Animals, Bioindicators of Environmental Quality, Technics for Optical and Electron Microscopy, Microscopy, Xenobiotic Cycle in Nature, Immunohistochemistry
Name and address of employer	„Al. I. Cuza” University of Iași, Faculty of Biology, Carol I nr. 20A Blvd, 700505, Iași, Romania
Type of business or sector	Education and Research
Date	1.10.2001 to 25.02.2005
Occupation or position held	Assistant
Main activities and responsibilities	Education and Research: Animal Histology, Animal Embryology, Human Anatomy, Comparative Anatomy of Animals.
Name and address of employer	„Al. I. Cuza” University of Iași, Faculty of Biology, Carol I nr. 20A Blvd, 700505, Iași, Romania
Type of business or sector	Education and Research

Date	15.02.1998 to 1.10.2001
Occupation or position held	Junior Teacher
Main activities and responsibilities	Education and Research: Animal Histology, Animal Embryology, Human Anatomy, Comparative Anatomy of Animals.
Name and address of employer	„Al. I. Cuza” University of Iași, Faculty of Biology, Carol I nr. 20A Blvd, 700505, Iași, Romania
Type of business or sector	Education and Research
Date	1.01.1997 to 15.02.1998
Occupation or position held	Researcher Assistant
Main activities and responsibilities	Research
Name and address of employer	„Al. I. Cuza” University of Iași, Faculty of Biology, Carol I nr. 20A Blvd, 700505, Iași, Romania
Type of business or sector	Research
Education and training	
Date	2000-2004
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Biology: title of PhD thesis: „ <i>Ecomorphological research of some stonefly and mayfly larvae from the tributaries of the Bicaz Reservoir</i> ”
Name and type of organization providing education and training Level in national or international classification	University of Bucharest , Romania, Diploma no. 5237/5.11.2004, Coordinator Professor Maria Caloianu Iordăchel PhD.
Date	1996
Title of qualification awarded	PhD stage
Principal subjects/occupational skills covered	PhD Student
Name and type of organization providing education and training Level in national or international classification	Franche-Comté University, Besancon, France, Laboratory of Hydrobiology, Coordinator Prof. Jean Verneaux .
Date	1995 – 1996
Title of qualification awarded	Master diploma
Principal subjects/occupational skills covered	Biodiversity, Genetics and Evolution
Name and type of organization providing education and training Level in national or international classification	“Alexandru Ioan Cuza” University of Iași, Faculty of Biology
Date	1990 – 1995
Title of qualification awarded	Licence diploma in Biology
Principal subjects/occupational skills covered	Biology, Merit award, Specialization in Teaching of Biology
Name and type of organization providing education and training Level in national or international classification	“Alexandru Ioan Cuza” University of Iași, Faculty of Biology.
Date	1986 – 1990
Title of qualification awarded	Bachelor degree diploma
Principal subjects/occupational skills covered	Mathematics and Physics

Name and type of organization providing education and training Level in national or international classification	„A. T. Laurian” College of Botoșani, Romania				
Language(s)					
Native language	Romanian language				
Foreign language(s)	2				
Autoevaluation	Understanding		Speaking		Writing
<i>European level (*)</i>	Listening	Reading	Conversation	Spoken production	
English	C1	C1	C1	C1	C1
French DALF Diploma	C1	C2	C1	C1	C1
	Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user Common European Framework of Reference for Languages				
Personal skills and competences	Education and research: Animal histology, Developmental Biology, Animal Ecomorphology, Microscopy (fluorescence & confocal), Immunohistochemistry, Molecular biomarkers, Bioindicators of water quality Lab Technical management.				
Awards and distinctions of Romanian Academy and other academies	1. 16. 12. 2010. „Grigore Antipa” Award of Romanian Academy: Neagu. A., Miron, I., 2008. <i>Bioindicatori de calitate a apelor curgătoare</i> , Ed. Univ. Al. I. Cuza Iași, 288 pp, ISBN 978-973-703-312-3. 2. 2011. “Emil Pop 2009” Award of Academy of Romanian Scientists: Neagu. A., Miron, I., 2008. <i>Bioindicatori de calitate a apelor curgătoare</i> , Ed. Univ. Al. I. Cuza Iași, 288 pp, ISBN 978-973-703-312-3.				
Training	<ul style="list-style-type: none"> • 18. 10. 2016. Workshop „Latest Advances in Electron Microscopy”, second edition, FEI and RONEXPRIM, in Iași. • Courses of software Blackboard of MEDIAEC Platform, ID/FR, „Alexandru Ioan Cuza” University of Iași, 1-10.02. 2011. • 6.06.2012. Workshop „Electron Microscopy in Romania, a new perspective for medical and biological research”, „Victor Babeș” and „Nicolae Simionescu” Institutes, Bucuresti. • 10.02.2009. YSI MDS Electric, workshop multiparameter sonde YSI model 6600V2-2, 6600V2-4. • 27.08-07.09. 2007. „Limno-Ecological Summer School”, Biological Station Potoci, Romania • 27.08-07.09. 2006. „Limno-Ecological Summer School”, Konstanz University, Germany • 28-30.11.2007. Courses for laboratory managers SR EN ISO /CEI 17025:2005, RENAR Bucharest, Certificate 4607/C14/30.11.2007. • „Gestion de l’Environnement”, International campus, France&Romania • 09. 1993. Stage for students at Paris VII University France, <i>Gestion de l’Environnement</i> 				
Scientific papers (Annex 1)	1. Books and book chapters: 12, Annex 1 (B1-B5) 2. Scientific papers 24 ISI articles WoS, principal author (Annex 1, C1: 1-24); 15 ISI articles WoS co-author (Annex 1, C2: 1-15) 22 BDI articles (7 principal author, and 15 as co-author (Annex 1: C3, C4) 3 articles <i>in extenso</i> -proceedings (C5)				
Research grants (Annex 2)	Director - 3 national research grants Member - 9 national research grants and grants for institutional development. Member - 3 international educational projects for European Master ECOCATCH- Ecological management of catchments in Europe (Coordinator Uppsala University, Sweden).				

<p>Others competences</p>	<ul style="list-style-type: none"> • Technical manager of Laboratory of water quality assessment by bioindicators ACVAPUR (2006-2010). • Reviewer: - An. Șt. Al. I. Cuza University of Iași. • 2015, Exhibition of photomicrography – The amazing microscopic world • 2016, Exhibition of photomicrography – Infl(u)orescences
<p>Participation at international scientific events</p>	<ol style="list-style-type: none"> 1. Uppsala University, Sweden, 9-12. 02. 2006, workshop ECOCATCH Ecological Management of catchments in Europe (Assoc. Prof. Anna-Kristina Brunberg). 2. Porto University and UCP Porto, Portugal, 8-11. 06. 2006, workshop ECOCATCH Ecological Management of catchments in Europe (Prof. Adriano Bordalo & Paula Castro). 3. Vrije University, Amsterdam, Netherland, 5-8. 10. 2006, workshop ECOCATCH Ecological Management of catchments in Europe (Prof. Herman Verhoeuf & Peter van Bogdeom). 4. Sussex University, UK, workshop ECOCATCH Ecological Management of catchments in Europe 8-13. 02. 2007, (Prof. Elisabeth Hill). 5. Konstanz University, Germany, 27.08-07.09.2007, „<i>Limno-Ecological Summer School</i>”, (Prof. Karl-Otto Rothhaupt & Prof. Ionel Miron). 6. Universite Catholique de l’Ouest, IBEA, Angers, France, 3-8.04. 2008, workshop ECOCATCH Ecological Management of catchments in Europe (Prof. Hanane Perein Etajani). 7. Vigo University, Spain, 1-7.05.2008, LLP Erasmus teaching mobility (Prof. Pilar Molist Garcia) 8. Uppsala University, Sweden, 22-27. 05.2008, workshop ECOCATCH Ecological Management of catchments in Europe (Assoc. Prof. Anna-Kristina Brunberg). 9. Uppsala University, Sweden, 30.08-15.09.2008, <i>Intensive Programme</i> ECOCATCH și workshop ECOCATCH Ecological Management of catchments in Europe (Assoc. Prof. Anna-Kristina Brunberg). 10. Uppsala University, Sweden, <i>Intensive Programme</i> ECOCATCH și workshop ECOCATCH Ecological Management of catchments in Europe, 23.08-6.09.2009 (Assoc. Prof. Anna-Kristina Brunberg). 11. Uppsala University, Sweden, 25-30. 11. 2009, LLP Erasmus teaching mobility & workshop ECOCATCH Ecological Management of catchments in Europe (Assoc. Prof. Anna-Kristina Brunberg). 12. Uppsala University, Sweden, <i>Intensive Programme</i> ECOCATCH & workshop ECOCATCH Ecological Management of catchments in Europe, 23.08-6.09.2010 (Assoc. Prof. Anna-Kristina Brunberg). 13. Uppsala University, Sweden, workshop ECOCATCH Ecological Management of catchments in Europe, 15.12-19.12.2010 (Assoc. Prof. Anna-Kristina Brunberg). 14. Uppsala University, Sweden, <i>Intensive Programme</i> ECOCATCH și workshop ECOCATCH Ecological Management of catchments in Europe, 23.08-6.09.2011 (Assoc. Prof. Anna-Kristina Brunberg). <p>Organizing:</p> <ol style="list-style-type: none"> 1. „Al. I. Cuza” University of Iași, workshop ECOCATCH Ecological Management of catchments in Europe, 05-06. 2007. 2. Workshop YSI Hydrodata (Anglia) and MDS electric, 10.02.2009.
<p>Annexes</p>	<p>Annex 1 List of scientific papers Annex 2 List of scientific projects</p>

A. PhD thesis:

„*Ecomorphological research of some stonefly and mayfly larvae from the tributaries of the Biczaz Reservoir*”, Biology, 20. 07. 2004, University of București, Dr. Honoris Causa, Prof. Dr. Maria Caloianu, Diploma no. 5237/5.11.2004.

B. Books, book chapters and monographs:

B.1. Books-academic national publishers:

1. Miron, I., **Neagu, A.-N.**, Erhan, M., Aoncioaie, C., Fusu, M.-M., 2010. *Succesiunea ecologică: râul Bistrița-lacul Biczaz, monografie limnologică II*, Ed. Univ. “Al. I. Cuza” Iași, ISBN 978-973-703-596-7, 206 pp.
2. **Neagu, A.**, Miron, I., 2008. *Bioindicatori de calitate a apelor curgătoare*, Ed. Univ. „Al. I. Cuza Iași”, ISBN 978-973-703-312-3, 288 pp. 287 pp. Cartea a fost premiată de Academia Română (2010) și de Academia Oamenilor de Știință din România (2011),
3. Manolache, V., **Neagu, A.-N.**, 2008. *Histologia organelor*, vol. II, Ed. Univ. din București, ISBN 973575642-0, 189 pp.

B.2. Books-other national publishers:

1. Comănescu, G., Leonov, S., **Neagu, A.**, 2001. *Elemente de citologie, histologie și embriologie animală*, Ed. Media, Bacău, 140 pp, ISBN 973-99973-5-X.
2. Bejenaru, L., Stanc, S., **Neagu A.**, 2002. *Elemente de anatomie comparată a animalelor I*, Ed. PIM, Iași, 125 pp, ISBN 973-8490-32-4.
3. **Neagu A.**, 2002. *Din tainele și curiozitățile corpului omenesc*, Ed. Porțile Orientului Iași - Casa Școlilor, 168 pp., ISBN 973-9297-66-8.

B.3. Book chapters-prestigious international publishers:

1. **Neagu, A.-N.**, 2019. Proteome Imaging: *From Classic to Modern Mass Spectrometry-Based Molecular Histology*. In: Woods A., Darie C. (eds) *Advancements of Mass Spectrometry in Biomedical Research. Advances in Experimental Medicine and Biology*, vol 1140. Springer, Cham.: 55-98. https://link.springer.com/chapter/10.1007%2F978-3-030-15950-4_4, distinsă cu Premiul Daniel Danielopolu, Secția de Științe medicale, Academia Română, sept. 2021.

B.4. Book chapters-other international publishers:

1. Gostin, I. N., **Neagu, A.-N.**, Vulpe, V., 2010. *SEM investigations regarding bacterial infections in Cyprinus carpio*, in *Selected Topics in Energy, Environment, Sustainable Development and Landscaping* (453 pp), Andea, P., Kilyeni, S. (eds.), WSEAS Press, ISBN: 978-960-474-237-0: 278-282.

B.5. Book chapters-national publishers:

1. **Neagu, A.**, 1999. *Contribution a la determination de la qualite des eaux de la riviere Bistrița et ses affluents par l'Indice Biologique Global Normalise (IBGN)*, în *Lacurile de acumulare din România*, vol. II, Ed. Univ. “Al. I. Cuza” Iași și Academia Română: 165-168
2. **Neagu, A.-N.**, Miron, I., Ghețeu, D., 2005. *Modern methods in assessment of running water quality through bioindicators: actual approach in Romania according to the new limnological concepts*, in *Sustainability for humanity & Environment in the extended connection fields Science-Economy-Policy*, vol. 1, Ionel, I. (ed.), Ed. Politehnica Timișoara: 177-180. ISBN 973-625-205-1.
3. Ghețeu, D., **Neagu, A.-N.**, Miron, I., 2005. *The use of bioindicators in the assessment of water quality in the actachment area of Biczaz Reservoir for the lake ecological diagnosis*, in *Sustainability for humanity & Environment in the extended connection fields Science-Economy-Policy*, vol. 1, Ionel, I. (ed.), , Ed. Politehnica Timișoara: 173-176. ISBN 973-625-205-1.
4. **Neagu, A.-N.**, Peptu, C., Harabagiu, V., Peptu, C. A., Leon, M.-M., Boca, A., Tamba, B. I., 2015. *Sisteme de administrare transdermică a medicamentelor bazate pe nanotehnologii*, în *Aplicații ale nanotehnologiilor în dermatologie*, Tamba, B. I. (ed.), Ed. Performantica, Iași: 96-131. Editura acreditată CNCSIS, 1142/30.06.2003, ISBN: 978-606-685-368-2.

C. Scientific papers:

C1. Web of Science (ISI) journals, principal author

1. **Neagu, A.-N.**, Proteome Imaging: From Classic to Modern Mass Spectrometry-Based Molecular Histology, in: Woods A. G., Darie C. C. (eds), *Advancements of mass spectrometry in biomedical research*, 2nd edition, seria *Advances in Experimental Medicine and Biology*, Springer, Cham., vol 1140: 55-98. Capitol de carte publicată în străinătate, editura Springer, dar și articol cu cod WoS și AIS.
2. **Neagu, A.-N.**, Whitham, D., Buonanno, E., Jenkins, A., Alexa-Stratulat, T., Tamba, B. I., Darie, C. C., 2021. Proteomics and its applications in breast cancer, *American Journal of Cancer Research*, 11 (9): 4006-4049.

3. **Neagu, A.-N.**, Jayathirtha, M., Baxter, M., Donnelly, M., Petre, B. A., Darie, C. C., 2022. Applications of tandem mass spectrometry (MS/MS) in protein analysis for biomedical research, *Molecules*, 27 (8), 2411.
4. **Neagu, A.-N.**, Jayathirtha, M., Witham, D., Mutsengi, P., Sullivan, I., Petre, B. A., Darie, C. C., 2022. Proteomics-based investigations of dysregulated proteins in breast cancer, *Proteomes*, 10, 35.
5. Jayathirtha, M., **Neagu, A.-N.**, Whitham, D., Alwine, S., Darie, C. C., 2022. Investigation of the effects of overexpression of jumping translocation breakpoint (JTB) protein in MCF7 cells for potential use as a biomarker in breast cancer, *American Journal of Cancer Research*, 12 (4): 1784-1823.
6. Jayathirtha, M., **Neagu, A.-N.**, Whitham, D., Alwine, S., Darie, C. C., 2022. Investigation of the effects of downregulation of Jumping Translocation Breakpoint (JTB) protein in MCF7 cells for potential use as a biomarker in breast cancer, *American Journal of Cancer Research*, 12 (9): 4373-4398.
7. Jayathirtha, M., Whitham, D., Alwine, S., Donnelly, M., **Neagu, A.-N.**, Darie, C. C., 2022. Investigating the function of human Jumping Translocation Breakpoint protein (hJTB) and its interacting partners through in-solution proteomics of MCF7 cells, *Molecules*, 27, 8301.
8. **Neagu, A.-N.**; Whitham, D.; Seymour, L.; Haaker, N.; Pelkey, I.; Darie, C.C., 2023. Proteomics-Based Identification of Dysregulated Proteins and Biomarker Discovery in Invasive Ductal Carcinoma, the Most Common Breast Cancer Subtype, *Proteomes*, 11 (2), 13.
9. Jayathirtha, M., Jayaweera, T., Whitham, D., Sullivan, I., Petre, B.A., Darie, C.C., **Neagu, A.-N.**, 2023. Two-Dimensional-PAGE Coupled with nLC-MS/MS-Based Identification of Differentially Expressed Proteins and Tumorigenic Pathways in MCF7 Breast Cancer Cells Transfected for JTB Protein Silencing. *Molecules*, 28(22).
10. **Neagu, A.-N.**; Whitham, D.; Bruno, P.; Morrissiey, H.; Darie, C.A.; Darie, C.C., 2023. Omics-Based Investigations of Breast Cancer. *Molecules*, 28(12), 4768.
11. Filipciuc, S.-I.; **Neagu, A.-N.**; Urîtu, C.M.; Tamba, B.-I.; Filipciuc, L.-E.; Tudorancea, I.M.; Boca, A.N.; Hâncu, M.F.; Porumb, V.; Bild, W., 2023. The Skin and Natural Cannabinoids—Topical and Transdermal Applications. *Pharmaceuticals*, 16(7), 1049.
12. **Neagu, A. N.**, Whitham, D., Bruno, P., Arshad, A., Seymour, L., Morrissiey, H., Hukovic, A. I., Darie, C. C., 2024. Onco-Breastomics: An Eco-Evo-Devo Holistic Approach, *International Journal of Molecular Sciences*, 25(3), 1628.
13. **Neagu, A.-N.**, Jayaweera, T., Corrice, L., Johnson, K., Darie, C.C., 2024. Breast Cancer Exposomics, *Life*, 14(3), 402.
14. **Neagu, A.-N.**, Bruno, P., Johnson, K.R., Ballestas, G., Darie, C.C., 2024. Biological Basis of Breast Cancer-Related Disparities in Precision Oncology Era, *International Journal of Molecular Sciences*, 25 (7), 4113.
15. **Neagu, A.-N.**, Josan, C.-L., Jayaweera, T.M., Morrissiey, H., Johnson, K.R., Darie, C.C., Bio-Pathological Functions of Posttranslational Modifications of Histological Biomarkers in Breast Cancer, *Molecules*, 29 (17), 4156.
16. **Neagu, A.-N.**, Jayaweera, T., Weraduwege, K., Darie, C.C., 2024. A Nanorobotics-Based Approach of Breast Cancer in the Nanotechnology Era, *International Journal of Molecular Sciences*, 25 (9), 4981.
17. **Neagu, A.-N.**, Whitham, D., Bruno, P., Versaci, N., Biggers, P., Darie, C. C., 2024. Tumor-on-chip platforms for Breast Cancer Continuum Concept Modeling, *Frontiers in Bioengineering and Biotechnology*, 12, 1436393.
18. **Neagu, A.-N.**, Josan, C.-L., Jayaweera, T., Weraduwege, K., Nuru, N., Darie, C. C., 2024. Double-Edged Sword of Diet and Nutrition on Carcinogenic Molecular Pathways in Breast Cancer, *International Journal of Molecular Sciences*, 25(20), 11078.
19. Seymour, L., Nuru, N., Johnson, K. R., Gutierrez, J. M. V., Njoku, V. T., Darie, C. C., **Neagu, A.-N.**, 2025. Roles of posttranslational modifications of transcription factors involved in breast cancer hypoxia, *Molecules*, 30(3), 645.
20. Bruno, P. S., Arshad, A., Gogu, R.-M., Waterman, N., Flack, R., Dunn, K., Darie, C. C., **Neagu, A.-N.**, 2025. Posttranslational modifications of proteins orchestrate all hallmarks of cancer, *Life-Basel*, 15 (1), 126.
21. Bruno, P. S., Biggers, P., Nuru, N., Versaci, N., Chirila, M. I., Darie, C. C., **Neagu, A.-N.**, 2025. Small Biological Fighters Against Cancer: Viruses, Bacteria, Archaea, Fungi, Protozoa, and Microalgae, *Biomedicines*, 13(3), 665.
22. Jayaweera, T. M., Jayathirtha, M., Weraduwege, K., Kraus, P., Darie, C. C., **Neagu, A.-N.**, 2025. From Jumping Gene to Cancer: Revisiting the Role of JTB Protein, *Biomedicines*, 13(7), 1705.
23. **Neagu, A.-N.**, Bruno, P. S., Josan, C.-L., Waterman, N., Morrissiey, H., Njoku, V. T., & Darie, C. C., 2025. In Search of Ideal Solutions for Cancer Diagnosis: From Conventional Methods to Protein Biomarkers in Liquid Biopsy, *Proteomes*, 13(4), 47.
24. Darie, C. C., Hukovic, A., Maynard, V. D., **Neagu, A.-N.**, 2026. Roles of oxygen in the tumorigenesis, progression, and treatment of breast cancer, *Medical Gas Research*, 16 (1): 41-45.

C2. Web of Science (ISI) journals, co-author

1. Hrițcu, L., Stefan, M., Ursu, L., **Neagu, A.**, Mihășan, M., Tartau, L., Melnig, V., 2011. Exposure to silver nanoparticles induces memory deficits in laboratory rats, *Central European Journal of Biology*, 6 (4): 497-509.
2. Stefan, M., Melnig, V., Pricop, D., **Neagu, A.**, Mihasan, M., Tartau, L., Hritcu, L., 2013. Attenuated effects of chitosan-capped gold nanoparticles on LPS-induced toxicity in laboratory rats, *Materials Science & Engineering C, Materials for Biological Applications*, 33 (1): 550-556.
3. Tamba, B. I., Dondas, A., Leon, M., **Neagu, A. N.**, Dodi, G., Stefanescu, C., Tijani, A., 2015. Silica nanoparticles: Preparation, characterization and in vitro/in vivo biodistribution studies, *European Journal of Pharmaceutical Sciences*, 71: 46-55.
4. Babii, C., Bahrin, L. G., **Neagu, A.-N.**, Gostin, I., Mihasan, M., Birsa, L. M., Stefan, M., 2016. Antibacterial activity and proposed action mechanism of a new class of synthetic tricyclic flavonoids, *Journal of Applied Microbiology*, 120 (3): 630-637.

5. Babii, C., Mihalache, G., Bahrin, L. G., Neagu, A.-N., Gostin, I., Mihai, C. T., Sarbu, L.-G., Birsa, L. M., Stefan, M., 2018. A novel synthetic flavonoid with potent antibacterial proprieties: in vitro activity and proposed mode of action, *PLoSOne*, 13(4): e0194898.
6. Tamba, B. I., Streinu, V., Foltea, G., **Neagu, A.-N.**, Dodi, G., Ylei, M., Tijani, A., Stefanescu, C., 2018. Tailored surface silica nanoparticles for blood-brain barrier penetration: preparation and in vivo investigation, *Arabian Journal of Chemistry*, 11(6): 981-990.
7. Miron, A., Aelenei, P., Trifan, A., Rimbu, C. M., Horhoge, C. E., Luca, S. V., **Neagu, A.-N.**, Wolfram, E., Aprostoae, A. C., 2019. Plant-derived products as antibiotic enhancers and antibiotic-resistance modifying agents, *Planta Medica*, 85 (18): 1422.
8. Aelenei, P., Rîmbu, C. M., Horhoge, C. E., Lobiuc, A., **Neagu, A.-N.**, Dunca, S. I., Motrescu, I., Dimitriu, G., Aprostoae, A. C., Miron, A., 2020. Prenylated phenolics as promising candidates for combination antibacterial therapy: Morusin and kuwanon G, *Saudi Pharmaceutical Journal*, 28: 1172-1181.
9. Petraru, O.-M., Groza, V.-M., **Neagu, A.-N.**, Bejenaru, L., 2020. Archaeological Human Hair in Burial Context: Microscopical Evaluation of Samples From Iași (18th-19th Centuries, Romania), *Archaeometry*, 62 (2): 395-409.
10. Jayathirtha, M., Dupree, E. J., Manyoor, Y., Larose, B., Sechrist, Y., **Neagu, A.-N.**, Petre, B. A., Darie, C. C., 2021. Mass spectrometric (MS) analysis of proteins and peptides, *Current Protein & Peptide Science*, 22 (2): 92-120.
11. Darie-Ion, I., Wutham, D., Jayathirtha, M., Yashveen, R., **Neagu, A.-N.**, Darie, C. C., Petre, B. A., 2022. Applications of MALDI-MS/MS-based proteomics in biomedical research, *Molecules*, 27, 6196.
12. Pricope, C. V., Tamba, B. I., Stanciu, G. D., Cuciureanu, M., **Neagu, A. N.**, Creanga-Murariu, I., Dobrovat, B.-I., Uritu, C. M., Filipciuc, S. I., Pricope, B.-M., Alexa-Stratulat, T., 2022. The roles of imaging biomarkers in the management of chronic neuropathic pain *International Journal of Molecular Sciences*, 23, 13038.
13. Jayathirtha, M., Jayaweera, T., Whitham, D., Petre, B. A., **Neagu, A.-N.**, Darie, C. C., 2023. Two-Dimensional Polyacrylamide Gel Electrophoresis Coupled with Nanoliquid Chromatography–Tandem Mass Spectrometry-Based Identification of Differentially Expressed Proteins and Tumorigenic Pathways in the MCF7 Breast Cancer Cell Line Transfected for Jumping Translocation Breakpoint Protein Overexpression, *International Journal of Molecular Sciences*, 24(19):14714.
14. Trofin, A.-M., Scripcariu, D. V., Filipciuc, S.-I., **Neagu, A.-N.**, Filipciuc, L.-E., Tamba, B.-I., Palaghia, M. M., & Uritu, C. M., 2025. From Nature to Nanomedicine: Enhancing the Antitumor Efficacy of Rhein, Curcumin, and Resveratrol, *Medicina-Lithuania*, 61(6), 981.
15. McGrath, C., Jayaweera, T. M., Lufkin, T., Darie, C. C., **Neagu, A.-N.**, Kraus, P., 2025. Jumping Translocation Breakpoint Expression in Midgestation Mouse Embryos, *International Journal of Molecular Sciences*, 26(20), 9952.

C3. BDI articles, principal author

1. **Neagu, A.**, Comănescu, G., Miron, I., 1998-1999. *Quelques aspects microscopiques du cycle de reproduction de Mytilus galloprovincialis Lmk. du littoral roumain de la Mer Noire*, An. Șt. Univ. "Al. I. Cuza" Iași, S. Biologie animală, t. XLIV- XLV: 201-205.
2. **Neagu, A.**, 2004. *Morphology and structure of the tracheal gills of two species of Stoneflies (Plecoptera)*, Rev. Roum. Biol.-Biol. Anim., t. 49, N°. 1-2, Bucarest: 157-169.
3. **Neagu, A.**, 2008. *Comparative anatomy of the antennal sensilla of Perla marginata, Dinocras cephalotes and Perlodes microcephalus (Plecoptera) aquatic insect nymphs*, An. Șt. Univ. „Al. I. Cuza” Iași, t LIV: 129-134.
4. **Neagu, A.**, 2009. *Galeal tip sensilla of a carnivorous stonefly nymph, Perla marginata (Plecoptera: Perlidae)*, An. Șt. Univ. Al. I. Cuza Iași, t LV: 35-41.
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2. **Neagu, A.**, 2004. *The effect of sampling protocol on the I.B.G.N. (Standardized Global Biological Index) notes for the assessment of running water quality*, Studii și Cercetări de Biologie, nr. 9, Univ. din Bacău: 144-147.
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6. Ciorpac-Petraru O.-M., Groza V.-M., Popovici M., **Neagu A.**, Bejenaru L., 2023. Comparative histological approach of inflammatory reactions in three possible cases of treponematoses identified in human skeletons of 15th -19th centuries from Iasi, Romania, 8th Symposium of Archaeometry "Archaeometry beyond analysis: Interpretative Approaches", Hellenic Society of Archaeometry (HSA), 17-20 October, 2023, Athens, Greece.
7. Ciorpac-Petraru, O.-M., Popovici, M., **Neagu, A.-N.**, Groza, VM., Bejenaru, L., 2023. 29th *EAA annual meeting*, 2023, Belfast, Northern Ireland, 30th August-2nd September 2023.

C.8. Abstracts in national academic journals:

1. **Neagu, A.-N.**, Miron, I., Erhan, M., 2009. *Vertical temperature and oxygen profiles in the Bicaz Reservoir during a summer stratification*, An. Șt. Univ. „Al. I. Cuza” Iași, S. Biol. anim.
2. **Neagu, A.**, 2009. *Antennal sensilla of aquatic insect larvae*, An. St. UAIC, S. Biol. anim.
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3. **Neagu, A.-N., 2016.** *A gândi despre apă...din apă, un curs practic de sfidare a gravitației*, Meridianul Cultural Românesc, an II, nr. 5.
4. **Neagu, A.-N., 2017.** *“Thinking about water...from water” a practical course of defying gravity*, Acta Oecologica Carpatica, XI, Sibiu.

**ANEXA 2
LIST OF SCIENTIFIC PROJECTS**

DIRECTOR (national funding)			
No	Projects		Funding Ap. 600.000 E
1.	Assessment of the polluosensitivity of some water quality bioindicators, using morpho-histological characteristics UEFISCSU, CEEX, MII, No. 1453	2006-2008	120.000 RON
2.	Extension of the Aquatic Ecology Laboratory of Potoci for assessing the mountain reservoir pollution induced by floating trout farms, according to EU Directive 60/2000 ANCS/RENAR, CEEX, MIV, no. 60, 205/10.08.2006, code 4174.	2006-2008	799.370 RON
3.	Extension of the infrastructure of the Laboratory of Bioindicators of water quality-ACVAPUR Potoci, in order to assess the polluosensitivity of aquatic organisms POLUOSENS ANCS, PN II, Capacities, MI, no. 93/14.09.2007	2007-2009	1.748.000 RON
MEMBER (national and EU funding)			
	Projects		Director
1.	Underwater researches with a batiscaphe on the limnicole and marine ecosystem dynamics.	1997-1998	Prof. dr. MIRON Ionel, Univ. Al. I. Cuza Iași
2.	Fundamentation and experimentation of some technologies for controlled breeding of aquatic organisms.	1996-1998	Prof. dr. MIRON Ionel, Univ. Al. I. Cuza Iași
3.	Use of bioindicators in ecological management of Bicz Reservoir catchment. CNCSIS A, 641.	2003-2005	Prof. dr. MIRON Ionel, Univ. Al. I. Cuza Iași
4.	Use of morphological, structural, ultrastructural and biochemical biomarkers in the evaluation of anthropic impact upon the biodiversity of Ceahlau National Park and its adjacent area, BIODIVMARK, CEEX MI, 640.	2005-2008	Șef lucr. dr. TOMA (GOSTIN) Irina, Univ. Al. I. Cuza Iași
5.	Researches on the structure and functioning of a lacustrine ecosystem formed by a river-lake ecological succession UEFISCSU, PN II, Ideas	2007-2010	Prof. dr. MIRON Ionel, Univ. Al. I. Cuza Iași
6.	Experimental Studies on the Relation Between Mitochondrial Dysfunction and Pain, New Perspectives in Pain Therapy PN-II-ID-PCE-2011-3-0875, (UEFISCSU).	2011-2014	Associate Professor <i>Cătălina Roxana Bohotin MD. Ph.D, UMF Iași</i>
7.	CERNESIM- Integrated center of Environmental Sciences	2016-2017	UAIC Iași

8.	Grant EU <i>Ecological management of catchments in Europe</i> ECOCATCH (Managementul ecologic al bazinelor versant in Europa) - 29350-IC-1-2004-SE-PROGUC-4. http://www.ecocatch.eu/contact/	2005-2008	Assoc. Prof. dr. Anna-Kristina Brunberg, Uppsala University, Sweden, UAIC Prof. dr. Ionel Miron
9.	Grant Intensive Programme, EU 2008 – ECOCATCH <i>Ecological management of catchments in Europe</i>.	2008-2009	Assoc. Prof. dr. Anna-Kristina Brunberg, Uppsala University, Sweden, UAIC Prof. dr. Ionel Miron
10.	Grant Intensive Programme, EU 2009 – ECOCATCH <i>Ecological management of catchments in Europe</i>.	2009-2010	Assoc. Prof. dr. Anna-Kristina Brunberg, Uppsala University, Sweden, UAIC Prof. dr. Ionel Miron
11.	ROSE AG 156/SGU/NC/II	2019-2020	Conf. Dr. Costica Naela, UAIC
12.	Proiect FDI-2019-0129, institutional development, 320.000 lei, 21 members	2019	Director Prof. I. Mangalagiu, UAIC

January 2026

Associate Professor NEAGU Anca-Narcisa