

PERSONAL INFORMATION DANA CARLETA CRĂCIUN



Gender Female | Date of birth 04/06/1966 | Nationality Romanian

CURRENT POSITION

Lecturer, PhD, Teacher Training Department, Faculty of Psychology and Educational Sciences, West University of Timișoara

PROFESSIONAL EXPERIENCE

1 October 2014 – present	<p>Lecturer</p> <p>West University of Timișoara, Teacher Training Department; 4 Vasile Pârvan St., Timișoara</p> <ul style="list-style-type: none"> ▪ Teaching lectures and seminars in Physics Didactics, Subject Didactics (Physics, Mathematics, Computer Science), Computer-Assisted Instruction; Virtual Learning Environments ▪ Coordinating teaching practice in Physics and Computer Science, Level II (FMI+F field) <p><i>Teaching activity, higher education</i></p>
1 March 2007 – 1 October 2014	<p>Teaching Assistant (PhD since March 2010)</p> <p>West University of Timișoara, Teacher Training Department; 4 Vasile Pârvan St., Timișoara</p> <ul style="list-style-type: none"> ▪ Coordinating teaching practice in Physics, Mathematics-Physics, Mathematics-Computer Science, Physics- ▪ Computer Science; ▪ Teaching seminars and lectures in Physics Didactics, Computer Science Didactics, Subject Didactics (Physics), Computer-Assisted Instruction; ▪ Teaching seminars in Mathematics Didactics, Subject Didactics (Mathematics and Computer Science), ▪ Classroom Management. <p><i>Teaching activity, higher education</i></p>
1 October 2004 – 1 March 2007	<p>Lecturer - PhD candidate</p> <p>West University of Timișoara, Teacher Training Department; 4 Vasile Pârvan St., Timișoara</p> <ul style="list-style-type: none"> ▪ Coordinating teaching practice in Physics, Mathematics-Physics, Mathematics-Computer Science ▪ Teaching lectures and seminars in Physics Didactics and ▪ Computer Science Didactics for the Physics-Computer Science specialisation <p><i>Teaching activity, higher education</i></p>
1 September 2001 - 30 June 2003 and 1 September 2009 - 30 June 2010	<p>Teacher (alternative pre-university education)</p> <p>Waldorf High School, Timișoara</p> <ul style="list-style-type: none"> ▪ Teacher of Physics and Astronomy ▪ Member of the school Board of Administration and responsible for continuing professional development within the Waldorf alternative <p><i>Teaching activity, pre-university education</i></p>

- 1 October 1997 - 1 October 2004 **Lecturer, PhD candidate**
West University of Timișoara, Faculty of Physics; 4 Vasile Pârvan St., Timișoara
- Teaching lectures and seminars in Analytical Mechanics, Electrodynamics, History of Physics, and the seminar
 - in Physics Didactics
 - Coordinator of teaching practice within the Faculty of Physics during 2001-2003
- Teaching activity, higher education*
- 1 October 1991 - 1 October 1997 **Teaching Assistant**
West University of Timișoara, Faculty of Physics; 4 Vasile Pârvan St., Timișoara
- Teaching seminars in Analytical Mechanics and Electrodynamics
- Teaching activity, higher education*
- 1 September 1988 - 1 October 1991 **Teacher**
Agro-Industrial High School and Chemistry High School, Făgăraș, Brașov County
- Teacher of Physics and Chemistry
- Teaching activity, pre-university education*

EDUCATION AND TRAINING

- | | | |
|-------------------------------|---|-------|
| October 2006 - September 2009 | PhD in Physics
Physics – Bioinformatics/Biophysics
West University of Timișoara, Faculty of Physics, Doctoral School | 8 EQF |
| March 2009 - March 2011 | Postgraduate diploma, POSDRU Project 19/1.3/G/15852:
“Training chemistry teaching competences for pre-university teachers graduated in other related disciplines”
Chemistry
West University of Timișoara, Faculty of Chemistry, Biology and Geography | |
| 2008 - 2009 | Certificate of completion
Psycho-pedagogical training programme in Mathematics/
Competences in teaching mathematics at pre-university and university level
West University of Timișoara, Teacher Training Department | |
| October 2004 - July 2005 | Postgraduate diploma
Educational and school management
West University of Timișoara, Faculty of Sociology and Psychology | |
| October 2001 - February 2004 | Bachelor's degree
Mathematics-Physics
West University of Timișoara, Faculty of Mathematics and Computer Science | 6 EQF |
| October 2001 - July 2003 | Master's degree
Theoretical Physics
West University of Timișoara, Faculty of Physics | 7 EQF |
| 1 March 2000 – 1 October 2001 | Postgraduate diploma
Distributed Informatics
West University of Timișoara, Faculty of Mathematics and Computer Science | |

1 June 2000 – 1 September 2004 Certificates for each course: June 2001-Simeria, April 2002-Bucharest, August and September 2002-Simeria, April 2003-Bucharest, July 2003-Simeria
Introduction to and specialisation in Waldorf pedagogy
West University of Timișoara, Waldorf Federation Romania and Rudolf Steiner Foundation

August 1991 Teaching certification in pre-university education
West University of Timișoara, Faculty of Physics

September 1984 - July 1988 Bachelor's degree 6 EQF
Physics
University of Timișoara, Faculty of Natural Sciences, Physics section

PERSONAL SKILLS

Mother tongue

Romanian

	UNDERSTANDING	SPEAKING	WRITING
English	Proficient user	Independent user	Independent user
German	Independent user	Independent user	Independent user

Foreign languages

Social skills and competences

Teamwork skills, good communication, adaptability

Organizational skills and competences

Organizational skills, solid experience in managing student groups

Digital competences

SELF-ASSESSMENT					
Professional engagement	Digital resources	Teaching and learning	Assessment	Empowering learners	Facilitating learners' digital competence
Nivel: __ C1 __	Nivel: __ C2 __	Nivel: __ C1 __	Nivel: __ C1 __	Nivel: __ C1 __	Nivel: __ C2 __
Levels: A1 – Newcomer · A2 – Explorer · B1 – Integrator · B2 – Expert · C1 – Leader · C2 – Pioneer					
Digital competences – DigCompEdu self-assessment grid					

Driving licence

Category B

ADDITIONAL INFORMATION

Scientific organizations

- Member of the Romanian Society of Physics
- Member of the Romanian Society of Applied Biophysics

Professional development

- Timișoara, UVT, 2025 Use of AI in education/research, “Digital Community for Emerging Generations”, funding contract 14048/16.09.2022, project code e-PNRR:1633644252,
- Timișoara, UVT, 2021, postgraduate programme “Teaching and learning in higher education - an evidence-based approach”
- Timișoara, 2015 - Postgraduate continuing professional development programme “UNIVERSITARIA - School of University Didactics and Advanced Scientific Research”.
- Sinaia, 2013 “Quality, innovation, communication in the continuing training system of university didactics staff”, ID 63709.
- July 2011, Paris-Sorbonne University, professional development programme “Excellence in the European higher education system”
- August 2010, Timișoara, Didakticos Association, specialisation programme: Trainer of Trainers
- September 2007 - June 2008 participant in the continuing education course in Waldorf pedagogy, organised by the Waldorf Federation of Romania, Timișoara
- August 1997, Summer School “Chaos and Irreversibility” at Eotvos Lorand University, Budapest, Hungary

Educational projects / workshops / training courses

- Organizer of the workshop “Enhanced learning experience using augmented reality” <https://dppd.uvt.ro/bbec/workshop-teacher.html>, BBCE - The International Conference Beliefs and Behaviors in Education and Culture, 23-25 June 2016
- Organizer of non-formal activities for UVT students: Physics, an Eternal Story (2015, 2017), Physics, a Story in Images (2016, 2018), the “English plus Science” summer school (2014-2019)
- Contributor to course materials and trainer (2009-2010) for “Didactic Assessment - Recent Developments” (accredited by C.N.F.P.).
- 2001-2005 collaboration in developing a physics teacher’s guide for Waldorf schools

Research grants / nationally funded projects - expert

- 2024-2026 “Digital Pedagogy for Teachers in the West Region” INO-Vest DigiPedia. Pedagogical Models and Educational Technologies for Authentic Learner-Centred Education, PNRR/2024/C15/MEDU/I8
- 2022-2023 “UVT - Teaching & Learning Brand – Reflective & Collaborative Learning”
into action 2.0 – CNFIS-FDI-2022-0489
- 2021-2022 “Start in Career through the Teaching Master’s Programme”, pilot programme supporting initial pre-university teacher training, POCU/864/6/21/ Project code: 140783
- 2019-2021 “REDION - Educational and Digital Resources for Online Instruction”, West University of Timișoara
- 2011-2013 “Professional Support for the Quality of Effective Instruction” POSDRU/19/1.3/G/31271
- 2011-2013 “Professionalising the Teaching Career - New Competences for Educational Change in Caraș-Severin and Mehedinți Counties” POSDRU/87/1.3/S/62421
- Apr.-Oct. 2011 “Doctoral School in Support of Research in the European Context” POSDRU/21/1.5/G/13798
- 2010-2013 “Your Teaching Practice for the Education of the Future” POSDRU 60/2.1/S/33675

Research grants / international projects - project team member

- 2019-2022 Dfigi4EU, ERASMUS+,611623-EPP-1-2019-1-RO-EPPJMO-MODULE
- 2014-2015: Romania-France bilateral project, Brancusi Programme - Modeling mechanisms of adverse effects for medicines: combining in silico approach based on the structure of proteins and QSAR modeling, PN-II-CT-ROFR-2014-2- 0002
- 2011-2012: Romania-France bilateral project, Brancusi Programme - Anchoring caveolin 1 in the cell membrane: NMR studies and molecular dynamics simulation - ID 25428ZI
- 2009-2010: Brancusi Romania-France bilateral project - Research on new therapeutic agents through in silico screening. Development and application of a bioinformatics approach - 19582VJ

LIST OF REPRESENTATIVE PUBLISHED SCIENTIFIC WORKS

PUBLISHED BOOKS (author or co-author)

- Crăciun D., G. Grossek, Ghid practic de resurse educaționale și digitale pentru instruirea f2f, online și mixtă, Ed Univ.de Vest, 2022.
- Crăciun D. and I. Jeflea, Ghid de practică pedagogică, Ed Univ.de Vest, 2022
- D. Dascălu, D. Isac, A. Isvoran, B. Vlad-Oros, Crăciun D., Evaluarea prin aplicații de chimie fizică generală, Ed. Mirton, 2021
- G Grossek, Crăciun D., Ghid practic de resurse educaționale și digitale pentru instruirea online, Ed Univ.de Vest, 2020.
- Crăciun D., Didactica Fizicii- Raspunsuri la intrebarile unui profesor modern, Ed. Mirton, 2013
- Crăciun D. and M. Iordan, IAC- resurse Web 2.0 pentru viitorul profesor, Ed. Mirton, 2013
- Crăciun D., A. Isvoran, Metode computaționale utilizate în analiza structurii și dinamicii proteinelor, Ed. Univ. de Vest, 2011
- Crăciun D., L. Cintean, Fizica, Primii pași în proiectarea și evaluarea didactică, Ed. Mirton, 2011
- Crăciun D. Modulul I TIC (Suport de curs) Cap IV Prezentări, pp 219-241, Ed. Neutrino, Reșița, 2011 (ISBN 978-606-8250-14-4)
- Crăciun D., K. Mihancea and M. Minescu, Ghid de practică pedagogică, Fizică, Ed. Mirton, 2008.
- Crăciun D., R. Bratu, K. Mihancea, M. Minescu and I. Cristescu, Ghid de practică pedagogică, Ed. Mirton, 2003; republished in 2004.
- Crăciun D., B. Demșoreanu, Elemente de mecanică teoretică, Tip. Univ. de Vest, 2001.
- Crăciun D., Teoria relativității restrânse și electrodinamică prin probleme, Tip. Univ de Vest, 1997.
- Crăciun D. and B. Demșoreanu, Mecanică teoretică, culegere de probleme Tip. Univ. de Vest, 1996.

Book chapters in national or international publishing houses - author

- Dana Crăciun and Monica Oprescu (2022), Switching to Online Teaching within a Teacher Training Programme during the COVID-19 Pandemic, In: Pandemic, Disruption and Adjustment in Higher Education, Pag: 85–99
https://doi.org/10.1163/9789004512672_006
- Dana Crăciun, (2020) "M-learning și u-learning" published in Educația digital, Editors Constantin Cucos, Ion-Ovidiu Panisoara, Olimpiu Istrate, Ciprian Ceobanu, Ed. Polirom, Iași, Collegium Collection. Științele educației, 170-187.
- Dana Crăciun, (2018) "Class Orchestration in an Augmented Reality Based Environment" published in Beliefs and Behaviours in Education and Culture: Cultural determinants and education / eds. Marius-Mircea Crișan, Roxana-Andreea Toma; Folodirito, 2018, pp. 108-118
- M. Iordan, Crăciun D., (2016) "Open technology and educational resources in the Computer Assisted Instruction curriculum" published in Beliefs and Behaviours in Education and Culture: Cultural determinants and education / eds. Marius-Mircea Crișan, Roxana-Andreea Toma. – Bucharest: Pro Universitaria, 2016, pp. 69-79.
- Dana Crăciun, Monica Oprescu, Mădălin Bunoiu, (2015), "Promoting an English and Science Summer Program through Social Media", in SMART 2014 Social media in Academia: Teaching and Research, Editors B. Patrut, D Andone, C. Holotescu and G. Grossek, Medimond Publisher Company, 2015, pp. 119-125.

Published papers (selection - ISI / ISI-indexed)

- Dana Crăciun; Grossek, Gabriela; Bunoiu, Madalin (2020) Game-Based Storytelling in Non-Formal Romanian Science Education, AIP Conference Proceedings 2218 , A060009 DOI: 10.1063/5.0005845,
- Crăciun D.; Dascalu, D.; Isvoran, A. (2019) Computational Assessment of ohe Adme-Tox Profiles and Harmful Effects of the Most Common used Phthalates on the Human Health Studia Universitatis Babes-Bolyai Chemia Vol. 64, Issue 4, Page 71-92
- Dana Crăciun, Mădălin Bunoiu (2019) Learning science outside the classroom: A summer school experience, AIP Conference Proceedings 2071, 050002 <https://doi.org/10.1063/1.5090086>- (ISI indexed)
- Dana Crăciun, Mădălin Bunoiu (2018), Teacher Training in the Context of Open Science and Science Education, The 14-th International Conference eLearning and Software for Education, Ion Roceanu editor, Carol I NDU Publishing House, Volume 4 | DOI: 10.12753/2066-026X-18-259 | Pages: 319-326
- Dana Crăciun, Mădălin Bunoiu (2017) Boosting physics education through mobile augmented reality, AIP Conference Proceedings 1916, 050003 <https://doi.org/10.1063/1.5017456>- (ISI indexed)
- Adriana Isvoran, Maxime Louet, Diana Larisa Vladoiu, Dana Crăciun, Marie-Anne Lorient, Bruno O. Villoutreix and Maria A. Miteva (2017), Pharmacogenomics of cytochrome P450 2C family: impacts of amino acid variations in drug metabolism, DrugDiscovToday Vol 22 (2):366-376
- Pitulice L., Crăciun D., Vilaseca E., Madurga S., Pastor Isabel, Mas F., Isvoran A (2016), Fractal Dimensions of the Trajectory of a Single Particle Diffusing in Crowded Media, Rom. Jour.Phys., Vol. 61 (7–8): 1276–1286

- Nicolae Hurduzeu, Dana Crăciun (2016), Bringing history to life through ITC resources and augmented reality, The 12-th International Conference eLearning and Software for Education, Ion Roceanu editor, Carol I NDU Publishing House, vol3, pp 28-33 -(ISI indexed)
- Dana Crăciun, Mădălin Bunoiu (2016), Augmented reality in romanian science education Pros and cons, The 12-th International Conference eLearning and Software for Education, Ion Roceanu editor, Carol I NDU Publishing House, vol3, pp 193-199 - (ISI indexed)
- Crăciun D., P. Crăciun, Mădălin Bunoiu, Digital storytelling as a creative teaching method in Romanian science education, AIP Conference Proceedings 1722, 310001 1-4 (2016); doi: 10.1063/1.4944311 <http://dx.doi.org/10.1063/1.4944311> - (ISI indexed)
- Dana Crăciun, Madalin Bunoiu, (2015), Training Teachers for the Knowledge Society: Social Media in Science Education, BRAIN - Broad Research in Artificial Intelligence and Neuroscience ,vol 6. no. 3-4, pp 82-88. (ISI indexed)
- Crăciun D., A. Isvoran, (2015), Correlation between the Secondary Structure Elements in the Spatial Arrangement of the EF-Hand Calcium Binding Proteins, Rom. Jour.Phys., Vol. 60(7–8):1103–1111.
- Dana Crăciun, Dorina Modra Isvoran A., (2015) ADME-TOX Profiles of Some Food Additives and Pesticides, AIP Conference Proceedings 1694: 40007 1-6 - (ISI indexed)
- Crăciun D., A. Isvoran, (2014), Computational analysis of surface properties of ef-hand calcium binding proteins, Rom. Jour.Phys., Vol. 59(3–4):339–345.
- A. Isvoran, Crăciun D., A. Ciorsac, N. Perrot, V. Beswick, P. Neddelec, A. Sanson, N. Jamin, (2014), A bioinformatics study concerning structural and functional properties of human caveolin proteins, J.Serb. Chem. Soc. Vol. 79 (2): 133-150.
- Dana Crăciun, Beatrice Vlad-Oros, Nicoleta Filimon, Vasile Ostafe, Adriana Isvoran, (2013) A computational approach of structural properties of GH4 enzymes family from bacteria, Acta BioChimica Polonica, 60: 553-564,
- Isvoran, Crăciun D., Virginie Martiny, Olivier Sperandio, Maria Miteva (2013), Computational analysis of protein-protein interfaces involving an alpha helix: insights for terphenyl-like molecules binding, BMC Pharmacology and Toxicology, vol. 14:31
- Dana Crăciun, L. Pitulice, A. Ciorsac, V. Ostafe, A. Isvoran, (2012), Protein surface roughness analysis. Comparison of crystallographic and NMR structures, Rom. Reports in Physics, vol.64 (1) :116-126.
- Ciorsac A., Crăciun D., V. Ostafe, A. Isvoran, (2011), Nonlinear correlations in the hydrophobicity and average flexibility along the glycolytic enzymes sequences, Chaos Solitons & Fractals, 44 :191-197.
- Alecu Ciorsac, Crăciun D., V. Ostafe, A. Isvoran, (2011), A bioinformatics characterization of the human glycogen phosphorylase surface binding regions, Rom. Biotech.Let., 16(5):5473-5480.
- Crăciun D., Isvoran A., Avram N.M.,(2011) Analysis of long range correlation of hydrophobicity and flexibility along hydrolases proteins chains, Rom. Jour.Phys., 56 (1-2),185-195, 2011.
- Crăciun D., A.Isvoran, R.D. Reisz, N.M.Avram, Distinct fractal characteristics of monomer and multimer proteins surfaces, Fractals, 18(2): 207-214, 2010
- Crăciun D., Isvoran A., Avram N.M., Long Range Correlation of Hydrophobicity and Flexibility Along the Hemoglobin Chain, AIP Conference Proceedings 1262: 173-177 (2010) -(ISI indexed)
- Crăciun D., Isvoran A., Avram N.M., Long-range correlation in atomic vibrations of chicken lysozyme backbone, Acta Polonica A, 116(4): 684-686, 2009.
- Crăciun D., A.Isvoran, N.M.Avram, Long range correlation of hydrophobicity and flexibility along the calcium binding proteins chains, Physica A, 388(21): 4609-4618, 2009.
- Crăciun D., A.Isvoran, N.M.Avram, Does fractal characteristics of hemoglobin change from one organism to another?, Rom. Jour.Phys., 54 (5-6): 569-577, 2009.
- Crăciun D., A.Isvoran, N.M.Avram, Statistical scaling laws reflecting structural properties of the hydrolases, Rom. Jour.Phys., 54 (5-6): 449-457, 2009.
- Crăciun D., A. Isvoran, Teaching molecular biology using computational tools and taking into account the learning styles of students, Rom. Biotech.Let., 14(4): 2567-2574, 2009.
- Crăciun D., A.Isvoran, N.M.Avram, Computational study on hemoglobin protein family, AIP Conference Proceedings 1131, (160-164), 2009. -(ISI indexed) <http://doi.org/10.1063/1.3153439>
- Isvoran, L. Unipan, Crăciun D., V.V. Morariu, Analysis of long range correlation in sequences data of proteins, J.Serb. Chem. Soc. 72(4) 383-392 (2007)

Conference participation (selection – national/international)

National conferences or national conferences with international participation

- Culture and Education Today, 25 November 2023, Timișoara, How will generative AI applications transform education in a VUCA world, Dana Crăciun, Gabriela Grosseck
- Physic Conference TIM 2022, 23-25 Nov 2022, Timișoara, The influence of the flipped classroom on high-school students in physics classes, Dana Crăciun, Roxana Biricioiu
- Culture and Education Today, 22. November 2022, Timișoara, Romania, Towards a better normal - lessons learned during the pandemic, Gabriela Grosseck, Dana Crăciun

IBWAP- The 18th International Balkan Workshop on Applied Physics, 10-13 July 2018, Constanta, Romania, "Digital Comics: Reviving Science Education"

Physic Conference TIM 2018, 24-26 may, Timisoara, Creative Commons Storytelling Activities in Teaching" (Gabriela Grosseck, Dana Crăciun)"Learning Science Outside the Classroom: A Summer School Experience" Dana Crăciun, Mădălin Bunoiu

Teaching Career – New Perspectives, Education Today, Timișoara, 18-19 May 2018, "Training teachers in the mathematics and science curriculum areas for open education", "The phone in class, but HOW?" (Gabriela Grosseck, Dana Crăciun)

eLSE - The 14 the International Scientific Conference eLearning and Software for Education, Bucharest, April 19-20, 2018, "Teacher Training in the Context of Open Science and Science Education".

New Trends and Perspectives in Open Education, International Conference, Timisoara, Romania 8 – 9 September 2017 "Teacher training for openness in science and science education", Dana Crăciun, Mădălin Bunoiu

The Annual International Conference of the Romanian Society for Biochemistry & Molecular Biology 8 – 9 June 2017, Timișoara, "Chemoinformatics of Xenobiotics",

eLSE - The 13 the International Scientific Conference eLearning and Software for Education, Bucharest, April 27-28, 2017, „Acting Like a Historian in a Technology Based Class”, „Developing Pre-Service Science Teachers Tpack Confidence through Web Based Comics”.

14th National Conference on Medical Physics, 4-6 November 2016, Oradea, Romania, "Generation of iron nano-microparticles by plasma methods for biomedical applications", (Octavian Mădălin Bunoiu, J. Neamțu, Dana Carleta Crăciun, L.M.E. Chirigiu, I. Bica)

16-th International Balkan Workshop on Applied Physics and Materials Science - IBWAP- 7-9 July 2016, Constanta, Romania,"Teaching Physics In A Mixed Reality Based Environment. A Pre-Service Teacher Perspective."

BBCE- The International Conference Beliefs and Behaviors in Education and Culture, 23-25 June 2016, "Class Orchestration In An Augmented Reality Based Environment"; D. Crăciun, L. Cinteau, P. Vlad "Increasing Student's Interest For Science Through Creative Learning Activities Based On Cartoons";

43rd National Conference "Physics and Modern Educational Technologies", Iași 1-17 May 2016, "Reviving Romanian science education through Mobile Augmented Reality" (D. Crăciun, G. Pascu, M. Bunoiu0

eLSE - The 12 th International Scientific Conference eLearning and Software for Education, Bucharest, April 21-22, 2016, "Augmented Reality In Romanian Science Education: Pros and Cons"; "Bringing History To Life Through Itc Resources And Agumented Reality"

SMART, Voronet, November 2015, "Training teachers for the knowledge society: social media in science education"

IBWAP- The 15th International Balkan Workshop on Applied Physics, 2-4 July 2015, Constanta, Romania," Digital Storytelling as a Creative Teaching Method in Science Education"

BBCE- The International Conference Beliefs and Behaviors in Education and Culture, 25-27 June 2015, Timisoara, "Open technology and educational resources in the Computer Assisted Instruction curriculum"

13th National Conference on Biophysics, CNB, 2015, Timișoara, 4-6 June, "Computational Analysis Of The Structural Properties Of Cyp2c19 And Cyp2c9 Drug Metabolizing Enzymes"

eLSE - The 11th International Scientific Conference eLearning and Software for Education, Bucharest, April 23-24, 2015 - "Why blended learning models in Romanian science education?"

43rd National Conference "Physics and Modern Educational Technologies", Iași 16-17 May 2014 - "ICT resources, Web 2.0 based activities and student learning styles in medical physics education"

SMART, Timișoara, September 2014 - "Promoting an English and Science Summer Program through Social Media"

CERED, Timișoara, October 2014 - "Developing specific English language and science competences through a CLIL programme"

Physic Conference TIM 2014, November - "Transversal and Science Specific Skill Development through the Learning English and Science Summer School"

Physic Conference TIM 2013, 21-24.11, Timisoara - Blended learning and science education in Romania

IBWAP Conference, 2013, Constanta, 4-6 July - Computational analysis of surface properties of ef-hand calcium binding proteins.

12th National Conference on Biophysics, CNB, 2013, Iasi, 13-16 June, Computational Analysis of Protein-Protein Interactions Involving an Alpha Helix and Their Inhibition by Small Molecular Weight Mimetics.

5th International Congress and 31st Annual Scientific Session of RSBC, Timișoara, 5-9 June 2013, Computational study of structural and functional properties of caveolin proteins family, Adriana Isvoran, Dana Craciun, Alecu Ciorsac, Nahuel Perrot, Veronica Beswick, Pierre Nedellec, Alain Samson, Nadege Jamin

National Physics Conference, CNF 2012, Constanta - A bioinformatics approach concerning caveolin proteins sequences in correlation with their biological activity; Training students for Inter-, Pluri-, Transdisciplinary Teaching (Physics Education)

Balkan Pysical Union, Constanta 2012 - Surface properties of alpha and beta GLUCOSIDASE FROM THERMOTOGA MARITIMA. A computational approach; Learning Science through creative writing and drama activities in primary and secondary school classes. (Physics Education)

Physic Conference TIM 2011, Timisoara. - A bioinformatics study of mammalian and bacterial glycolytic enzymes; Multiple Intelligences in Modern and Conventional Science Classes; Science and Art -a Different Approach to Teaching Science. (Physics Education)

National Conference on Biophysics, Sibiu, 2011 - Structural bioinformatics prediction for caveolin proteins correlate with their cellular location and known interactions.

Physic Conference TIM 2010, Timisoara - A bioinformatics characterization of terphenyl binding cavities in proteins.

3rd National Conference on Adult Education (IREA), Timișoara, 19-21 March 2010 - The art of facilitating learning in the mathematics and science curriculum areas.

National Physics Conference, Iasi, 23-23 Sept. 2010 - Protein surface roughness analysis comparison of crystallographic and NMR structures; From Science in Art to the Art of Teaching Science. (Physics Education)

Physic Conference TIM 2009, Timisoara - Long-range correlation of hydrophobicity and flexibility along hemoglobin protein chain.

International Balkan Workshop on Applied Physics (IBWAP) 2009, Constanta - Role playing as a creative method in science education. (Physics Education)

Physic Conference TIM 2008, Timisoara - Nonlinear aspects of calcium binding proteins dynamics; Computational study on hemoglobin protein family.

IBWAP 2008, Constanta - Does fractal characteristics of hemoglobin change from one organism to another?; Interactive lessons design based on student prior knowledge (Physics Education)

National Physics Conference, Bucharest-Magurele, 10-13 Sept. 2008 - Using computers to teach the structural characteristics of proteins; Statistical scaling laws reflecting structural properties of the hydrolases.

International conferences organised by institutions outside Romania

International Conference on Engineering and Natural Science (ICENS), 2018, Stockholm, Sweden, 5-6 August, "Adme-Tox Profiles of the Most Commonly Used Phthalates"

BPU9- 9th International Physics Conference of the Balkan Physical Union, 24-27 August 2015 , Istanbul University , Istanbul , Turkey, " Digital Storytelling as a Creative Teaching Method in Romanian Science Education"

International School and Conference on Photonics -Photonica, 2009, Belgrad - Long-range correlation in atomic vibrations of chicken lysozyme backbone; Correlation between Physical and Anthropometric Characteristics of Junior football players.

Lecturer, PhD Dana Craciun

Timișoara, 09.09.2026