



Curriculum vitae Europass



Personal Information

Name **CRĂCIUN DANA CARLETA**

Nationality Română

Date of Birth 04.06.1966

Gender Female

Target Position / Occupational

Lecturer PhD

Field:

Faculty of Psychology and Educational Sciences
Teacher Training Department

Professional Experience

Period October 2014 – Present

Position held **Lecturer**

Main activities and responsibilities Teaching lectures and seminars in Physics Didactics, Subject Didactics (Physics, Mathematics, Computer Science), Computer-Assisted Instruction, and Virtual Learning Environments. Coordinating teaching practice in Physics and Computer Science, Level II (Mathematics, Informatics, Physics + Physics).

Employer West University of Timisoara, Teacher Training Department, 4 Vasile Parvan St., Timisoara

Type of activity or sector Teaching activity, higher education

Period 1 March 2007 - 1 October 2014

Position held **Teaching Assistant (PhD since March 2010)**

Main activities and responsibilities Coordinating teaching practice in Physics, Mathematics-Physics, Mathematics-Computer Science, and Physics-Computer Science; teaching seminars and the course units Physics Didactics, Computer Science Didactics, Subject Didactics (Physics), and Computer-Assisted Instruction; teaching seminars in Mathematics Didactics, Subject Didactics (Mathematics and Computer Science), and Classroom Management.

Employer West University of Timisoara, Teacher Training Department, 4 Vasile Parvan St., Timisoara

Type of activity or sector Teaching activity, higher education

Period 1 October 2004 - 1 March 2007

Position held **University Lecturer - PhD candidate**

Main activities and responsibilities	Coordinating teaching practice in Physics, Mathematics-Physics, and Mathematics-Computer Science; teaching lectures and seminars in Physics Didactics and Computer Science Didactics for the Physics-Computer Science specialization.
Employer	West University of Timisoara, Teacher Training Department, 4 Vasile Parvan St., Timisoara
Type of activity or sector	Teaching activity, higher education
Period	1 September 2001 - 30 June 2003 and 1 September 2009 - 30 June 2010
Position held	Teacher (alternative pre-university education)
Main activities and responsibilities	Teacher of Physics and Astronomy; member of the school Board of Administration and person responsible for continuous training within the Waldorf alternative.
Employer	Waldorf High School, Timisoara
Type of activity or sector	Teaching activity, pre-university education
Period	1 October 1997 - 1 October 2004
Position held	University Lecturer, PhD candidate
Main activities and responsibilities	Teaching lectures and seminars in Analytical Mechanics, Electrodynamics, History of Physics, and the Physics Didactics seminar; coordinator of teaching practice within the Faculty of Physics during 2001-2003.
Employer	West University of Timisoara, Teacher Training Department, 4 Vasile Parvan St., Timisoara
Type of activity or sector	Teaching activity, higher education
Period	1 October 1991 - 1 October 1997
Position held	Teaching Assistant
Main activities and responsibilities	Teaching seminars in Analytical Mechanics and Electrodynamics.
Employer	West University of Timisoara, Teacher Training Department, 4 Vasile Parvan St., Timisoara
Type of activity or sector	Teaching activity, higher education
Period	1 September 1988 - 1 October 1991
Position held	Teacher
Main activities and responsibilities	Teacher of Physics and Chemistry.
Employer	Agro-Industrial High School and Chemistry High School, Fagaras, Brasov County
Type of activity or sector	Teaching activity, pre-university education

Educație și formare

Period	October 2006 - September 2009
Qualification / diploma obtained	PhD in Physics
Main fields studied / professional competences acquired	Physics - Bioinformatics / Biophysics
Institution providing education and training	West University of Timisoara, Faculty of Physics, Doctoral School
Period	March 2009 - March 2011
Qualification / diploma obtained	Postgraduate diploma, POSDRU Project 19/1.3/G/15852 - "Training chemistry teaching competences for pre-university teachers graduated in other related disciplines"
Main fields studied / professional competences acquired	Chemistry

Institution providing education and training	West University of Timisoara, Faculty of Chemistry, Biology and Geography
Period	2008 - 2009
Qualification / diploma obtained	Certificate of completion
Main fields studied / professional competences acquired	Psycho-pedagogical training program in Mathematics; competences in teaching mathematics at pre-university and university level
Institution providing education and training	West University of Timisoara, Teacher Training Department
Period	October 2004 - July 2005
Qualification / diploma obtained	Postgraduate diploma
Main fields studied / professional competences acquired	Educational and school management
Institution providing education and training	West University of Timisoara, Faculty of Sociology and Psychology
Period	October 2001 - February 2004
Qualification / diploma obtained	Bachelor's degree
Main fields studied / professional competences acquired	Mathematics - Physics
Institution providing education and training	West University of Timisoara, Faculty of Mathematics and Computer Science
Period	October 2001 - July 2003
Qualification / diploma obtained	Master's degree
Main fields studied / professional competences acquired	Theoretical Physics
Institution providing education and training	West University of Timisoara, Faculty of Physics
Period	1 March 2000 - 1 October 2001
Qualification / diploma obtained	Postgraduate diploma
Main fields studied / professional competences acquired	Distributed Informatics
Institution providing education and training	West University of Timisoara, Faculty of Mathematics and Computer Science
Period	1 June 2000 - 1 September 2004
Qualification / diploma obtained	Certificates for each course: June 2001 - Simeria; April 2002 - Bucharest; August and September 2002 - Simeria; April 2003 - Bucharest; July 2003 - Simeria
Main fields studied / professional competences acquired	Introduction to and specialization in Waldorf pedagogy
Institution providing education and training	West University of Timisoara, Waldorf Federation Romania and Rudolf Steiner Foundation
Period	August 1991
Qualification / diploma obtained	Teaching certification in pre-university education
Main fields studied / professional competences acquired	
Institution providing education and training	West University of Timisoara, Faculty of Physics

Period	September 1984 - July 1988
Qualification / diploma obtained	Bachelor's degree
Main fields studied / professional competences acquired	Physics
Institution providing education and training	West University of Timisoara, Faculty of Natural Sciences, Physics specialization
Personal skills and competences	
Mother tongue	Romanian
Foreign languages	
English	Understanding: proficient user; Speaking: independent user; Writing: independent user.
German	Understanding: independent user; Speaking: independent user; Writing: independent user.
Social skills and competences	Teamwork skills, good communication, adaptability.
Organizational skills and competences	Organizational spirit, solid experience in managing student groups.
Driving licence	Categoria B
Additional information	
Scientific organizations	Member of the Romanian Society of Physics Member of the Romanian Society of Applied Biophysics
Professional development	Timisoara, West University of Timisoara, 2025: Use of AI in education/research, "Digital community for emerging generations", funding contract 14048/16.09.2022, project code e-PNRR:1633644252. Timisoara, West University of Timisoara, 2021: postgraduate program "Teaching and learning in higher education - an evidence-based approach". Timisoara, 2015: postgraduate continuing professional development program "UNIVERSITARIA - school of university didactics and advanced scientific research". Sinaia, 2013: "Quality, innovation, communication in the continuous training system of university didactics staff", ID 63709. July 2011, Paris-Sorbonne University: professional development program "Excellence in the European university education system". August 2010, Timisoara, Didacticos Association: specialization program, Trainer of Trainers. September 2007 - June 2008: participant in the continuing education course in Waldorf pedagogy, organized by the Waldorf Federation of Romania, Timisoara. August 1997: Summer School "Chaos and Irreversibility", Eotvos Lorand University, Budapest, Hungary.
Educational projects / workshops / training courses	Organizer of the workshop "Enhanced learning experience using augmented reality", BBCE - The International Conference Beliefs and Behaviors in Education and Culture, 23-25 June 2016. Organizer of non-formal activities for West University of Timisoara students: Physics, an Eternal Story (2015, 2017), Physics, a Story in Images (2016, 2018), the summer school "English plus Science" (2014-2019). Contributor to course materials and trainer (2009-2010) for "Didactic evaluation - recent developments" (accredited by C.N.F.P.). 2001-2005: collaboration in elaborating a physics teacher's guide for Waldorf schools.

Research grants / nationally funded projects - as expert

nationally funded projects - as expert

1. 2024-2026 „Pedagogie digitală pentru cadrele didactice din Regiunea Vest" INO- Vest DigiPedia. Modele pedagogice și tehnologii educaționale pentru un învățământ autentic centrat pe elev, PNRR/2024/C15/MEDU/18
2. 2022-2023 "UVT - Teaching & Learning Brand – Reflective & Collaborative Learning" into action 2.0 – CNFIS-FDI-2022-0489
3. 2021-2022 "Start în carieră prin master didactic", Program pilot pentru sprijinirea formării inițiale a cadrelor didactice pentru învățământul preuniversitar, POCU/864/6/21/ Cod proiect: 140783
4. 2019-2021 "REDION- Resurse educaționale și digitale pentru instruirea online", Universitatea de Vest Timișoara
5. 2011-2013 "Facilitarea profesionala pentru calitatea instruirii eficiente" POSDRU/19/1.3/G/31271
6. 2011-2013 "Profesionalizarea carierei didactice- noi competențe pentru actori ai schimbărilor în educație din județele Caraș-Severin și Mehedinți" POSDRU/87/1.3/S/62421
7. apr.-oct. 2011 " Școala doctorală în sprijinul cercetării în context european" POSDRU/21/1.5/G/13798
8. 2010-2013 " Practica ta pentru educația viitorului" POSDRU 60/2.1/S/33675

Research grants / nationally funded projects

internationally funded projects in which I was involved as a project team member

1. 2019-2022 Digi4EU, ERASMUS+,611623-EPP-1-2019-1-RO-EPPJMO-MODULE
2. 2014-2015: Romania-France bilateral collaboration project, Brancusi Programme - **Modeling mechanisms of adverse effects for medicines: combining an in silico approach based on the structure of proteins and QSAR modeling**, PN-II-CT-ROFR-2014-2-0002.
3. 2011-2012: Romania-France bilateral collaboration project, Brancusi Programme - **Anchoring caveolin 1 in the cell membrane: NMR studies and molecular dynamics simulation**, ID 25428ZI.
4. 2009-2010: Brancusi bilateral Romania-France project - **Research on new therapeutic agents through in silico screening. Development and application of a bioinformatics approach** - 19582VJ.

Timisoara, 09.01.2026

Lecturer, PhD Dana Craciun

List of representative published scientific works

Published books (author or co-author)

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

Book chapters in national or international publishing houses - author

1. **Crăciun Dana** 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
1. **Crăciun Dana**, (2020) "M-learning și u-learning" publicat în Educația digital Coordonatori Constantin Cucos, Ion-Ovidiu Panisoara, Olimpiu Istrate, Ciprian Ceobanu, Ed. Polirom, Iași Colecția Collegium. Științele educației, 170-187.
2. **Crăciun Dana**, (2018) "Class Orchestration in an Augmented Reality Based Environment" publicat în *Beliefs and Behaviours in Education and Culture : Cultural determinants and education / coord. Marius-Mircea Crișan, Roxana-Andreea Toma.*; **Folodiritto**, 2018, pag 108-118
3. M. Iordan, **D. Craciun**, (2016) "Open technology and educational resources in the Computer Assisted Instruction curriculum" publicat în *Beliefs and Behaviours in Education and Culture: Cultural determinants and education / coord. Marius-Mircea Crișan, Roxana-Andreea Toma.*–București : **Pro Universitaria**, 2016, pag 69-79.
4. Crăciun Dana, 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, pag 119-125.

Published papers (selection - ISI / ISI-indexed)

1. Craciun, Dana; Grossek, Gabriela; Bunoiu, Madalin (2020) Game-Based Storytelling in Non-Formal Romanian Science Education, **AIP Conference Proceedings 2218**, A060009 DOI: 10.1063/5.0005845,
2. Craciun, 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
3. 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)
4. 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
5. 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)
6. Adriana Isvoran, Maxime Louet, Diana Larisa Vladioiu, Dana Craciun, 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
7. Pitulice L., Craciun 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
8. Nicolae Hurduzeu, Dana Crăciun (2016), Bringing history to life through ITC resources and agumented 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)
9. 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)
10. D. Crăciun, 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)

11. 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)
12. 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.
13. Crăciun Dana, Dorina Modra Isvoran A., (2015) **ADME-TOX Profiles of Some Food Additives and Pesticides**, **AIP Conference Proceedings** 1694: 40007 1-6 - (ISI indexed)
14. 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.
15. A. Isvoran, D. Craciun, 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.
16. Dana Craciun, 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,
17. 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
18. Crăciun Dana, 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.
19. Ciorsac A., D. Craciun, V. Ostafe, A. Isvoran, (2011), Nonlinear correlations in the hydrophobicity and average flexibility along the glycolytic enzymes sequences, **Chaos Solitons & Fractals**, 44 :191-197.
20. Alecu Ciorsac, D. Craciun, V. Ostafe, A. Isvoran, (2011), A bioinformatics characterization of the human glycogen phosphorylase surface binding regions, **Rom. Biotech.Let.**, 16(5):5473-5480.
21. Crăciun D., Isvoran A., Avram N.M.,(2011) Analysis of long range correlation of hydrophylicity and flexibility along hydrolases proteins chains, **Rom. Jour.Phys.**, 56 (1-2),185-195, 2011.
22. D.Craciun, A.Isvoran, R.D. Reisz, N.M.Avram, Distinct fractal characteristics of monomer and multimer proteins surfaces, **Fractals**, 18(2): 207-214, 2010
23. Crăciun D., Isvoran A., Avram N.M., **Long Range Correlation of Hydrophilicity and Flexibility Along the Hemoglobin Chain**, **AIP Conference Proceedings** 1262: 173-177 (2010) -(ISI indexed)
24. 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.
25. D.Craciun, A.Isvoran, N.M.Avram, Long range correlation of hydrophylicity and flexibility along the calcium binding proteins chains, **Physica A**, 388(21): 4609-4618, 2009.
26. D.Craciun, 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.
27. D.Craciun, A.Isvoran, N.M.Avram, Statistical scaling laws reflecting structural properties of the hydrolases, **Rom. Jour.Phys.**, 54 (5-6): 449-457, 2009.
28. D. Crăciun, A. Isvoran, Teaching molecular biology using computational tools and tacking into account the learning styles of students, **Rom. Biotech.Let.**, 14(4): 2567-2574, 2009.
29. D.Craciun, 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>
30. Isvoran, L. Unipan, D. Craciun, 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

1. **Cultura și Educația astăzi**, 25 noiembrie 2023, Timișoara, Cum vor transforma aplicațiile de la IA generative educația într-o lume VUCA, Dana Crăciun, Gabriela Grosseck
2. **Physic Conference TIM 2022**, 23-25 Nov 2022, Timisoara, Influența clasei oglindite (flipped classroom) asupra elevilor de liceu la ora de fizică, Dana Crăciun, Roxana Biricioiu
3. **Cultura și Educația astăzi**, 22.11.2022, Timișoara, România, Pentru un normal mai bun- lecții învățate în pandemie“.Gabriela Grosseck, Dana Crăciun
4. **IBWAP- The 18th International Balkan Workshop on Applied Physics**, 10-13 July 2018, Constanta, Romania, “Digital Comics: Reviving Science Education”
1. **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
2. **Carierea Didactică – Noi Perspective, Educația Azi**, Timișoara, 18 - 19 mai 2018, „Formarea profesorilor din aria curriculară matematică și științe pentru o educație deschisă”, „Telefonul la ore, dar CUM?” (Gabriela Grosseck, Dana Crăciun)
3. **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”.
4. **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

5. **The Annual International Conference of the Romanian Society for Biochemistry & Molecular Biology** 8 – 9 June 2017, Timișoara, "Chemoinformatics of Xenobiotics",
6. **eLSE** - The 13th 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”.
7. **A XIV-a Conferință Națională De Fizică Medicală**, 4-6 Noiembrie 2016, Oradea, România, “Generarea prin procedee cu plasmă a nano-microparticulelor de fier pentru aplicații bio-medicale”, (Octavian Mădălin Bunoiu, J. Neamțu, Dana Carleta Crăciun, L.M.E. Chirigiu, I. Bica)
8. **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."
9. **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";
10. A XLIII-a Conferință Națională **"Fizica și Tehnologiile Educaționale Moderne"**, Iași 1-17, mai 2016 "Reviving Romanian science education through Mobile Augmented Reality"(D. Crăciun, G. Pascu, M. Bunoiu0
11. **eLSE** - The 12th 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"
5. **SMART**, Voronet, noiembrie, 2015, "Training teachers for the knowledge society: social media in science education"
6. **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"
7. **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"
8. **13th National Conference on Biophysics, CNB**, 2015, Timisoara, 4-6 iunie, "Computational Analysis Of The Structural Properties Of Cyp2c19 And Cyp2c9 Drug Metabolizing Enzymes"
9. **eLSE** - The 11th International Scientific Conference eLearning and Software for Education, Bucharest, April 23-24, 2015 -"Why blended learning models in Romanian science education?"
10. A XLIII-a Conferință Națională **"Fizica și Tehnologiile Educaționale Moderne"**, Iași 16-17, mai 2014 - "ICT resources, Web 2.0 based activities and student learning styles in medical physics education"
11. **SMART**, Timisoara, septembrie, 2014 - "Promoting an English and Science Summer Program through Social Media"
12. **CERED**, Timisoara, octombrie 2014 - "Dezvoltarea competențelor specifice limbii engleze și științelor printr-un program CLIL"
13. **Physic Conference TIM 2014**, noiembrie- "Transversal and Science Specific Skill Development through the *Learning English and Science Summer School*"
14. **Physic Conference TIM 2013, 21-24.11, Timisoara** - Blended learning and science education in Romania
15. **Conferința IBWAP, 2013, Constanta, 4-6 iulie** - Computational analysis of surface properties of ef-hand calcium binding proteins.
16. **12th National Conference on Biophysics, CNB, 2013, Iasi, 13-16 iunie**, Computational Analysis of Protein-Protein Interactions Involving an Alpha Helix and Their Inhibition by Small Molecular Weight Mimetics.
17. **5th International Congress and 31st Annual Scientific Session of RSBC, Timisoara, 5-9 iunie, 2013**, Computational study of structural and functional properties of caveolin proteins family, Adriana Isvoran, Dana Craciun, Alecu Ciorsac, Nahuel Rerrot, Veronica Beswick, Pierre Nedellec, Alain Samson, Nadege Jamin
18. **Conferinta Nationala de Fizica, 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**)
19. **Balkan Physical 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**)
20. **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**)
21. **Conferinta Nationala de Biofizica , Sibiu, 2011** - Structural bioinformatics prediction for caveolin proteins correlate with their cellular location and known interactions.
22. **Physic Conference TIM 2010, Timisoara** - A bioinformatics characterization of terphenyl binding cavities in proteins.
23. **A III-a Conferinta Nationala de Educatie a Adultilor (IREA), Timisoara, 19-21 martie 2010** - Măiestria de a facilita învățarea disciplinelor din aria curriculară matematică și științe.
24. **Conferinta Nationala de Fizica, 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**)
25. **Physic Conference TIM 2009, Timisoara** - Long-range correlation of hydrophobicity and flexibility along hemoglobin protein chain.
26. **International Balkan Workshop on Applied Physics (IBWAP) 2009, Constanta** - Role playing as a creative method in science education. (**Physics Education**)
27. **Physic Conference TIM 2008, Timisoara** - Nonlinear aspects of calcium binding proteins dynamics; Computational study on hemoglobin protein family.

28. **IBWAP 2008, Constanta** - Does fractal characteristics of hemoglobin change from one organism to another?; Interactive lessons design based on student prior knowledge (*Physics Education*)
29. **Conferinta Nationala de Fizica, Bucuresti-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 organized by institutions outside Romania

30. **International Conference on Engineering and Natural Science (ICENS)**,2018, Stockholm, Sweden, 5-6 august, „Adme-Tox Profiles of the Most Commonly Used Phthalates”
31. **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"
32. **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.

Lector univ. dr. Dana Craciun

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