


PERSONAL INFORMATION Răzvan-Dumitru Ceucă

 Iași, România

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 <http://math.etti.tuiasi.ro:81/rdceuca/index.php>

Gender Male | **Date of birth** 23/01/1993 | **Nationality** Romanian

Google Scholar: <https://scholar.google.com/citations?hl=ro&user=wTiGwXgAAAAJ>

ResearchGate: <https://www.researchgate.net/profile/Razvan-Dumitru-Ceuca-2>

ORCID: <https://orcid.org/0000-0003-0899-2633>

WORK EXPERIENCE**06/02/2023 External Collaborator**

Employer: "Gheorghe Asachi" Technical University of Iași (TUIASI)

Adress: B-dul Dimitrie Mangeron nr. 67, Iași, Romania

Department: Department of Mathematics and Computer Science

Link: <http://math.etti.tuiasi.ro>

18/10/2022 - 17/01/2023 Researcher (Investigador)

Employer: Basque Center for Applied Mathematics (BCAM)

Adress: Alameda de Mazarredo, 14, 48009, Bilbao, Spain

Department: Applied Partial Differential Equations (APDE) - Applied Analysis (AA)

Link: <http://www.bcamath.org>

01/09/2018 - 17/10/2022 Researcher (Ph.D. student)

Employer: Basque Center for Applied Mathematics (BCAM)

Adress: Alameda de Mazarredo, 14, 48009, Bilbao, Spania

Department: Applied Partial Differential Equations (APDE) - Applied Analysis (AA)

Link: <http://www.bcamath.org>

01/09/2016 - 01/06/2018 Mathematics teacher - Middle school

Employer: Paradis School (at that time) - Paradis International College (present)

Adress: Str. Iancu Flondor, Nr. 2 M, Iași, România

Link: <https://paradis-college.ro/>

Description: – Teaching in Romanian following the Romanian Mathematics curriculum - middle school
– Teaching in English following the Cambridge Mathematics curriculum - primary and middle school

EDUCATION AND TRAINING

2018 - 2022 Ph. D.

Institution: Universidad del Pais Vasco (UPV/EHU)
Adress: Sarriena Auzoa, 48940 Leioa, Bizkaya - Pais Vasco, Spania
Link: <https://www.ehu.eus/en/en-home>
Department: Facultad de Ciencia y Tecnologia - Faculty of Science and Technology
Domain of study: Matematica y estadistica - Mathematics and statistics
Title of the Ph.D. thesis: *Various results concerning homogenisation of nematic liquid crystals*
Mentions: Cum Laude, International Doctorate
Link to the Ph. D. thesis: <https://bird.bcmath.org/handle/20.500.11824/1527>

2015-2017 M. Sc.

Institution: Alexandru Ioan Cuza University of Iași
Adress: Bd. Carol I 11, 700506, Iași, România
Link: <https://www.math.uaic.ro/>
Department: Faculty of Mathematics
Specialization: Matematică Didactică și de Cercetare - Didactic and Research Mathematics
Average grade (years of study): 9.56 out of 10.00 (overall ranking: position 3rd out of 10 graduates)
Graduation exam grade: 10.00 out of 10.00
Number of credits: 120 ECTS
Additional information: – Psycho-pedagogical module, second level
– Erasmus mobility, first year of study (23/02/2016 - 12/07/2016), second semester - Università degli studi di Milano, Milano, Italy; Average grade: 28.6 out of 30

2012 - 2015 B. Sc.

Institution: Alexandru Ioan Cuza University of Iași
Adress: Bd. Carol I 11, 700506, Iași, România
Link: <https://www.math.uaic.ro/>
Department: Faculty of Mathematics
Specialization: Mathematics
Average grade (years of study): 10.00 out of 10.00 (overall ranking: 1st out of 34 graduates)
Graduation exam grade: 9.91
Number of credits: 180 ECTS
Additional information: Psycho-pedagogical module, first level

2005 - 2012 Middle school + High school

Institution: National College, Iași
Adress: Strada Arcu 4, Iași 700125, România
Link: <http://www.colegiulnationaliasii.ro/>
Specialization: M1 - Matematică - Informatică - Mathematics and Computer Science
Baccalaureate Exam:

- Limba și literatura română - 9.30 out of 10.00 - Romanian Language
- Matematică - 10.00 out of 10.00 - Mathematics
- Fizică - 10.00 out of 10.00 - Physics

PERSONAL SKILLS:

Mother tongue Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Spanish	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Organisational skills: I have contributed to the organisation of the following events:

- as a volunteer at the National Conference of the Mathematical Sciences Society from Romania, 24th - 26th October 2014
- as organiser at the final stage of the national mathematical contest for middle and high school students from Romania, called ViitoriOlimpici.ro (which means “Future Olympians”), Câmpulung Muscel, Romania, August, every single year between 2013 and 2019

Computer skills: Microsoft Office (Word, Excel, Powerpoint), LaTeX, FreeFem++, openQmin, openViewmin, Matlab/Scilab;

Driving licence: B

PUBLICATIONS

- Research articles:
1. Ceuca, R. D. Cubic microlattices embedded in nematic liquid crystals: a Landau-de Gennes study. *ESAIM: Control, Optimization and Calculus of Variations* 27, 95 (2021).
 2. Ceuca, R. D., Taylor, J. M, și Zarnescu, A. D. Effective surface energies in nematic liquid crystals as homogenised rugosity effects. *Communications in Contemporary Mathematics*, online ready (2022).

RESEARCH ACTIVITIES

- Talks:
1. The Conference of the Doctoral Schools from the Universitaria Consortium (CSDCU-MIF), 22nd - 24th of October 2020, Iași, Romania, online
 2. Bringing Young Mathematicians Together (BYMAT), 1st - 3rd of December 2020, Valencia, Spain, online
 3. Workshop for Young Researchers in Mathematics (WYRM), 20th - 21st of May 2021, București, Romania, online
 4. SIAM Conference on Mathematical Aspects of Materials Science (SIAM MS 21), 17th - 27th of May 2021, BCAM, Bilbao, Spain, online
 5. Young Researcher Seminar, Maths Applications & Models 2022, 9th of March 2022, Università degli studi di Verona, Verona, Italy, on-site
 6. Light Seminar 2022, 30th of November 2022, BCAM, Bilbao, Spain, on-site
 7. Bringing Young Mathematicians Together (BYMAT), 9th - 11th of November 2022, Valencia, Spain, online
 8. Current challenges in complex materials: modelling and analysis, 9th - 13th of January 2023, Hausdorff Research Institute for Mathematics, Bonn, Germany, on-site

- Simple participation:
1. XIII-ème Colloque Franco-Roumain de Mathématiques Appliquées, Iași, România, 25th - 29th of August 2016, on-site
 2. L'Ecole d'été Franco-Roumaine de Mathématiques Appliquées de Sinaia, Sinaia, România, 2nd - 10th of July 2018, on-site
 3. Jornada Cantabrica de EDP's, Castro Urdiales, Spain, 10th of September 2018, on-site
 4. Spring school on the mathematical design of materials (DNMW05), Isaac Newton Institute for Mathematical Sciences, Cambridge, UK, 25th - 29th of March 2019, on-site
 5. New Trends in the Variational Modeling and Simulation of Liquid Crystals, Erwin Schrödinger International Institute for Mathematics and Physics (ESI), Vienna, Austria, 2nd - 6th of December 2019, on-site

- Trimester programs:**
1. The mathematical design of new materials, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK, 17th - 29th of March 2019, on-site
 2. Mathematics for complex materials, Hausdorff Research Institute for Mathematics, Bonn, Germany, 7th of January - 4th of February 2023, on-site

- Research grants:**
1. Member as a *Master student* in *Mathematical methods applied in the study of nonlinear mechanical systems*, PN-III-P1-1.1-TE-2016-2314, PI: Dr. Ionel-Dumitrel Ghiba, Alexandru Ioan Cuza University of Iași, Iași, Romania, 8th of July - 31st of October 2019

- Other scholarships:**
1. Postdoc fellowship, Hausdorff Research Institute for Mathematics, Bonn, Germany, 7th of January - 4th of February 2023

OTHER PUBLICATIONS

- Books:**
1. Cicu, I., Smarandache, Ș., Iacob, I., Ceucă, R. D. *Matematică - Manual pentru clasa a V-a*, ediția 2022, publishing house - Intuitext (Mathematics Textbook for Middle School Students, second edition, in Romanian - Grade 6 after Cambridge Curriculum)
 2. Cicu, I., Smarandache, Ș., Mareș, S., Iacob, I., Ceucă, R. D. *Culegere de matematică. Clasa a V-a*, 2017, publishing house - Intuitext (Mathematics Workbook for Middle School Students, in Romanian - Grade 6 after Cambridge Curriculum)
 3. Cicu, I., Mareș, S., Iacob, I., Ceucă, R. D., Băleanu, A. *Matematică. Suport teoretic și exerciții aplicative. Clasa a VI-a*, 2018, publishing house - Intuitext (Mathematics Workbook for Middle School Students, in Romanian - Grade 7 after Cambridge Curriculum)
 4. Cicu, I., Mareș, S., Iacob, I., Ceucă, R. D., Băleanu, A. *Matematică. Clasa a VII-a*, 2019, publishing house Intuitext (Mathematics Textbook for Middle School Students, in Romanian - Grade 8 after Cambridge Curriculum)
 5. Cicu, I., David, E. M., Iacob, I., Ceucă, R. D. *Matematică. Clasa a VIII-a*, 2020, publishing house - Intuitext (Mathematics Textbook for Middle School Students, in Romanian - Grade 9 after Cambridge Curriculum)

- Articles as a high-school student:**
1. Ceucă, R. D. Câteva proprietăți caracteristice ale triunghiului isoscel (Some characteristic properties of the isosceles triangle), *Recreații Matematice Magazine*, Number 2/2010.
 2. Ceucă, R. D. O dublă inegalitate integrală și câteva aplicații (A double integral inequality and some applications), *Recreații Matematice Magazine*, Number 2/2012.

OTHER ACTIVITIES

- Member of the Mathematical Sciences Society from Romania (SSMR)
- Member of the Central Committee of the National Mathematics Olympiad, National Level, 2013, 2014, 2015
- Proofreader at the National Online "ViitoriOlimpici.ro" Mathematics Contest for middle and high school students, 2012 - present
- Organiser at the final stage of the National "ViitoriOlimpici.ro" Mathematical Contest for middle and high school students, Câmpulung Muscel, Romania, 2013–2019, on site, 2020–2022, online

AWARDS

- Participation at Mathematics Olympiads as a middle and high school student:**
1. Bronze medal, National Mathematics Olympiad, National Level, Timișoara, Romania, 2008
 2. Bronze medal, National Mathematics Olympiad, National Level, Mamaia, Romania, 2012