

INFORMAȚII PERSONALE

Jianu Marilena✉ marilena.jianu@utcb.ro

Sexul feminin | Data nașterii 01/03/1972 | Naționalitatea română

POZIȚIA PENTRU CARE SE
CANDIDEAZA**Conferențiar universitar, poziția 5, Departamentul de Matematică și Informatică din Universitatea Tehnică de Construcții București**

EXPERIENȚA PROFESIONALĂ

- 1997- 2000 **Preparator universitar**
Departamentul de Matematică și Informatică din Universitatea Tehnică de Construcții București
- 2000-2009 **Asistent universitar**
Departamentul de Matematică și Informatică din Universitatea Tehnică de Construcții București
- 2009-prezent **Lector universitar**
Departamentul de Matematică și Informatică din Universitatea Tehnică de Construcții București

EDUCAȚIE ȘI FORMARE

- 1990-1995 **Licență (Diplomă de Licență în Matematică)**
Universitatea București, Facultatea de Matematică
Media generală: 9.24 (Media anilor de studii: 8.70, Media Examenului de Licență: 9.79)
Nota la Lucrarea de Licență: 10
- 1995-1996 **Studii Aprofundate în Matematică (Diplomă de Studii Aprofundate), specializarea Probabilități-Statistică**
Universitatea București, Facultatea de Matematică
Media generală: 9.70
Nota la Lucrarea de Studii Aprofundate: 10
- 2001-2009 **Doctorat (Diplomă de Doctor în "Inginerie civilă")**
Universitatea Tehnică de Construcții București
Teza de doctorat: *Modele de optimizare pentru identificarea parametrilor hidrogeologici*
Conducător științific: Prof. Univ. Dr. Ing. Radu Drobot
- 2002 **Stagiu de pregătire doctorală**
Université de Liège
Mathematical Modelling in Hydrogeology
- 2013 **Programul postuniversitar „Blended-learning și tehnologii educaționale moderne pentru învățământul universitar”**
Program coordonat de Universitatea Tehnică din Cluj Napoca în cadrul proiectului “Școală universitară de formare inițială și continuă a personalului didactic și a trainerilor din domeniul specializărilor tehnice și inginerești”, DidaTec, cofinanțat din Fondul Social European prin Programul Operațional Sectorial pentru Dezvoltarea Resurselor Umane 2007 – 2013 (POS DRU/87/1.3/S/60891)

(Certificat de atestare a competențelor profesionale în domeniul *Calculatoare și tehnologia informației*)

COMPETENTE PERSONALE

Limba(i) maternă(e)
Alte limbi străine cunoscute

Limba Română

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	B2	C1	B2	B2	C1
Franceză	A2	B1	A2	A2	B1

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat
Cadrul european comun de referință pentru limbi străine

Competențe de comunicare

Exprimare clară și concisă, atât în activitatea didactică, cât și în prezentarea lucrărilor la conferințe naționale și internaționale; ascultare activă, respect față de propunerile și ideile interlocutorilor (studenți, cercetători, colegi etc); comunicare asertivă.

Competențe organizaționale/manageriale

- Membru în Consiliul Facultății de Hidrotehnică (2016 - 2020)
- Membru în Comitetul de Organizare a Conferinței "International Conference on Mathematics, Computer Science and Technical Education (ICMCSTE 2024)", Technical University of Civil Engineering Bucharest, Romania, May 24-26, 2024

Competențe dobândite la locul de muncă

Activitate didactică: Cursuri și Seminarii la disciplinele:

- Analiză numerică (master)
- Algebră liniară, geometrie analitică și diferențială (licență)
- Analiză matematică I, II (licență)
- Matematici speciale / Differential and with partial derivatives equations (licență)

Competențe informatice

- Certificat de atestare a competențelor profesionale în domeniul *Calculatoare și tehnologia informației*
- Cunoașterea unor programe utilizate în activitatea de cercetare și în predarea disciplinelor matematice: Maple; Matlab; Mathcad; Geogebra
- Cunoașterea unor programe de modelare matematica utilizate în hidrogeologie (GMS)
- Utilizator avansat pachet Microsoft Office, LaTeX

Permis de conducere

- B

INFORMATII SUPLIMENTARE

Publicații

A) Lucrări publicate în reviste și volumele unor manifestări științifice indexate **Web of Science**:

1. G. Groza, **M. Jianu**, N. Pop - *Infinitely differentiable functions represented into Newton interpolating series*, Carpathian Journal of Mathematics, 30(3), 309 – 316 (2014). ISSN: 1452-8630 (**SRI: 0.664**, IF: 1.4). <https://www.webofscience.com/wos/woscc/full-record/WOS:000346884500006>
2. L. Dăuș, **M. Jianu** - *Full Hermite interpolation of the reliability of a hammock network*, Applicable Analysis and Discrete Mathematics, 14(1), 198 – 220 (2020). ISSN: 1584-2851 (**SRI: 1.176**, IF: 1.4). <https://www.webofscience.com/wos/woscc/full-record/WOS:000530043000012>
3. A.N. Dimache, G. Groza, **M. Jianu**, S. Perju, L. Rece, M. Harničárová, J. Valiček, *Optimization of the solution of a dispersion model*, Mathematics, 8(3), Art. 318 (2020). ISSN: 2227-7390 (**SRI: 0.734**, IF: 2.4). <https://www.webofscience.com/wos/woscc/full-record/WOS:000524085900017>
4. **M. Jianu**, S. Achimescu, L. Dăuș, A. Mihai, O.A. Roman, D. Tudor, *Characterization of Rectifying Curves by Their Involutives and Evolutes*, Mathematics, 9(23), Art. 3077 (2021). ISSN: 2227-7390 (**SRI: 0.734**, IF: 2.4). <https://www.webofscience.com/wos/woscc/full-record/WOS:000742639000001>
5. **M. Jianu**, S.A. Popescu – *On a problem related to Egyptian fractions*, Bulletin Mathematique de la Societe de Sciences Mathematiques de Roumanie, 64(4), 401-411 (2021). ISSN: 1220-3874 (**SRI: 0.384**, IF: 0.6) <https://www.webofscience.com/wos/woscc/full-record/WOS:000722925400008>

- 6. M. Jianu**, D. Ciuiu, L. Dăuș, M. Jianu - *Markov chain method for computing the reliability of hammock networks*, Probability in the Engineering and Informational Sciences, 36(2), 276 – 293 (2022). ISSN: 0269-9648 (SRI: **1.016**, IF: 1.1). DOI:10.1017/S0269964820000534 <https://www.webofscience.com/wos/woscc/full-record/WOS:000778571200007>
- 7. L. Dăuș**, G. Groza, **M. Jianu**, *Full Hermite interpolation and approximation in topological fields*, Mathematics, 10(11), Art.1864 (2022). ISSN: 2227-7390 (SRI: **0.734**, IF: 2.4). <https://www.webofscience.com/wos/woscc/full-record/WOS:000809087700001>
- 8. M. Jianu**, S. Achimescu, L. Dăuș, I. Mierluș-Mazilu, A. Mihai, D. Tudor, *On a Surface Associated to the Catalan Triangle*, Axioms, 11(12), Art. 685 (2022). ISSN: 2075-1680 (SRI: **0.602**, IF: 2). <https://www.webofscience.com/wos/woscc/full-record/WOS:000900298500001>
- 9. V. Beiu**, L. Dăuș, **M. Jianu**, A. Mihai, I. Mihai, *On a surface associated to Pascal's triangle*, Symmetry, 14(2), Art. 411 (2022). ISSN: 2073-8994 (SRI: **0.687**, IF: 2.7). DOI:10.3390/sym14020411 <https://www.webofscience.com/wos/woscc/full-record/WOS:000767781100001>
- 10. M. Jianu**, L. Dăuș, M. Nagy, R.M. Beiu, *Approximating the Level Curves on Pascal's Surface*, International Journal of Computers Communications & Control, 17(4), Art. 4865 (2022). ISSN: 1841-9836 (SRI: **0.491**, IF: 2.7) DOI:10.15837/ijccc.2022.4.4865 <https://www.webofscience.com/wos/woscc/full-record/WOS:000829406100009>
- 11. M. Jianu**, L. Dăuș, V.-F. Drăgoi, V. Beiu, *Reliability polynomials of consecutive-k-out-of-n:F systems have unbounded roots*, Networks 82 (2023), 222–228. ISSN: 0028-3045 (SRI: **2.465**, IF: 2.1). <https://www.webofscience.com/wos/woscc/full-record/WOS:001019193600001>
- 12. M. Jianu**, L. Dăuș, V.-F. Drăgoi, V. Beiu, *The roots of the reliability polynomials of circular consecutive-k-out-of-n:F systems*, Mathematics 11 (20), 4252 (2023). ISSN: 2227-7390 (SRI: **0.734**, IF: 2.4). <https://www.webofscience.com/wos/woscc/full-record/WOS:001094359800001>
- 13. M. Jianu**, *On the Roots of a Family of Polynomials*, Fractal and Fractional, 7(4), Art. 339 (2023). ISSN: 2504-3110 (SRI: **0.914**, IF: 5.4). DOI:10.3390/fractalfract7040339 <https://www.webofscience.com/wos/woscc/full-record/WOS:000979658300001>
- 14. G. Groza**, **M. Jianu**, I. Mierluș-Mazilu, *Some properties of the functions representable as fractional power series*, Mathematics, 12(7), Art.961 (2024). ISSN: 2227-7390 (SRI: **0.734**, IF: 2.4). <https://0u10qll13-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001201015000001>
- 15. L. Dăuș**, **M. Jianu**, *The shape of the reliability polynomial of a hammock network*, International Conference on Computing, Communication and Control (ICCCC 2020), Oradea, Romania, May 11-15, 2020. Intelligent Methods in Computing, Communication and Control. Book Series: Advances in Intelligent Systems and Computing, Volume: 1243 , Springer International Publishing: Cham, Switzerland (ISBN 978-3-030-53651-0); 93–105 (2021) <https://www.webofscience.com/wos/woscc/full-record/WOS:000621675100008>
- B) Lucrări publicate în reviste si volumele unor manifestări științifice indexate in baze de date internaționale (zbMath, ProQuest, SpringerLink):
- 16. M. Jianu**, R. Drobot, *Application of simulated annealing for solving a groundwater flow inverse problem*, Păltineanu, Gavriil (ed.) et al., Trends and challenges in applied mathematics. Conference proceedings of the international conference, ICTCAM 2007, Bucharest, Romania, June 20–23, 2007. Bucharest: Matrix Rom (ISBN 978-973-755-283-9). 233-236 (2007). (zbMath) <https://zbmath.org/1347.76036>
- 17. M. Jianu**, *The Pilot Point Method for Solving a Groundwater Flow Inverse Problem (I)*, Mathematical Modelling in Civil Engineering, nr. 1, 33-41 (2008) (ISSN: 2066-6934). (ProQuest) <https://www.proquest.com/other-sources/pilot-point-method-solving-groundwater-flow/docview/195910664/se-2>
- 18. M. Jianu**, R. Drobot, *The Pilot Point Method for Solving a Groundwater Flow Inverse Problem (II) Case Study: The Alluvial Fan of Someș River*, Mathematical Modelling in Civil Engineering, nr. 2, 13-25 (2008) (ISSN: 2066-6934). (ProQuest) <https://www.proquest.com/other-sources/pilot-point-method-solving-groundwater-flow/docview/195905565/se-2>

- 19. M. Jianu**, R. Drobot, *Stochastic Generation of Daily Climate Data*, Mathematical Modelling in Civil Engineering, nr. 3, 14-24 (2008) (ISSN: 2066-6934). (ProQuest) <https://www.proquest.com/other-sources/stochastic-generation-daily-climate-data/docview/195902272/se-2>
- 20. G. Groza, M. Jianu**, *Polynomial approximations of solutions of boundary value problems for ODEs which arise from engineering*, Mihai, Adela (ed.) et al., Riemannian geometry and applications. Proceedings of the international conference – RIGA, Bucharest, Romania, May 19–21, 2014. Editura Universității din București (ISBN 978-606-16-0553-8) 131-143 (2014) (zbMath) <https://zbmath.org/1326.41035>
- 21. G. Groza, M. Jianu**, *Functions represented into fractional Taylor series*, ITM Web of Conferences, Vol. 29 (2019) Proceedings of the 1st International Conference on Computational Methods and Applications in Engineering (ICMAE 2018), Timisoara, Romania, May 23 – 26, 2018, Art. 01017; (ProQuest). <https://www.proquest.com/conference-papers-proceedings/functions-represented-into-fractional-taylor/docview/2488523434/se-2>
- 22. G. Groza, M. Jianu**, *Functions of two variables represented into Newton interpolating series*, Annals of Oradea University – Mathematics Fascicola, 24(2), 91 – 99 (2017). (zbMath) <https://zbmath.org/1399.41004>.
- 23. M. Jianu**, M. Jianu, S.A. Popescu, *A combinatorial solution for bridge and torch problem*, SN Operations Research Forum, volume 1, Art. 21 (2020). DOI:10.1007/s43069-020-00022-3. (zbMath) <https://zbmath.org/1459.90182>
- 24. M. Jianu**, L. Dăuș, S.H. Hoară, V. Beiu – *Using Delta-Wye Transformations for Estimating Networks' Reliability*, International Conference on Computing, Communication and Control (ICCCC 2022), Oradea, Romania, May 16-20, 2022. Intelligent Methods Systems and Applications in Computing, Communication and Control. Book Series: Advances in Intelligent Systems and Computing, Vol 1435, Springer, Cham, Switzerland (ISSN 978-3-031-16684-6); 415-426 (2023). https://link.springer.com/chapter/10.1007/978-3-031-16684-6_35
- 25. L. Dăuș, V.F. Drăgoi, M. Jianu**, D. Bucerzan, V. Beiu – *On the Roots of Certain Reliability Polynomials*, International Conference on Computing, Communication and Control (ICCCC 2022), Oradea, Romania, May 16-20, 2022. Intelligent Methods Systems and Applications in Computing, Communication and Control. Book Series: Advances in Intelligent Systems and Computing, Vol 1435, Springer, Cham, Switzerland (ISSN 978-3-031-16684-6); 401-414 (2023). https://link.springer.com/chapter/10.1007/978-3-031-16684-6_34
- 26. L. Dăuș, M. Jianu**, R.M. Beiu, V. Beiu – *A Tale of Catalan Triangles: Counting Lattice Paths*, International Workshop Soft Computing Applications (SOFA 2020), Arad, Romania, November 27-29, 2020. Book Series: Advances in Intelligent Systems and Computing, vol. 1438, Springer, Cham, Switzerland (ISSN 978-3-031-23636-5); 677-690 (2023). https://link.springer.com/chapter/10.1007/978-3-031-23636-5_52
- C) Alte lucrări publicate:
- 27. M. Jianu**, R. Drobot, A. Matei, *Calibration of groundwater models using particle swarm optimization*, Proceedings of the 10th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 80-84, Matrix Rom, București (2009) (ISSN: 2067-3132).
- 28. G. Groza, M. Jianu**, *Simultaneous interpolation and approximation for infinitely differentiable functions*, Proceedings of the 12th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 50-53, Matrix Rom, București (2013) (ISSN: 2067-3132).
- 29. M. Jianu**, *Solving boundary value problems for ordinary differential equations using different software*, Proceedings of the Mathematics and Educational Symposium of the Department of Mathematics and Computer Science, 73-78, Matrix Rom, București (2014) (ISSN: 2067-3132).
- 30. M. Jianu**, *Partial differential equations numerically solved by using Taylor expansion*, Proceedings of the 13th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 90-95, Matrix Rom, București (2015) (ISSN: 2067-3132).

- 31. M. Jianu, I. Popescu, Heat and wave-like equations with variable coefficients solved by Taylor series method, Romanian Journal of Building Services 1(2) (2015) (ISSN: 2393-5154).**
- 32. M. Jianu, S.A. Popescu, A successive projection method for solving linear systems of equations, Proceedings of the Mathematics and Educational Symposium of the Department of Mathematics and Computer Science, TUCEB, 69-74, Matrix Rom, București (2016) (ISSN: 2067-3132).**
- 33. M. Jianu, I. Popescu, A numerical method for solving Bagley-Torvik equation using fractional Taylor polynomials, Proceedings of the 14th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 60-65, Matrix Rom, București (2017) (ISSN: 2067-3132).**
- 34. G. Groza, M. Jianu, On the convergence of certain series, Proceedings of the 15th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 43-48, Matrix Rom, București (2018) (ISSN: 2601-9299).**
- 35. M. Jianu, L. Dăuș, Some properties of the reliability polynomial of a hammock network, Proceedings of the 15th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 49-54, Matrix Rom, București (2018) (ISSN: 2601-9299).**
- 36. N.M. Goșoniu, M. Jianu, S.A. Popescu, A generalization of the bridge and torch problem. An exact optimization algorithm, Proceedings of the 16th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 55-58, Matrix Rom, București (2019) (ISSN: 2601-9299).**
- 37. M. Jianu, L. Dăuș, Full Hermite interpolation of the reliability of hammock networks, Proceedings of the 16th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 59-64, Matrix Rom, București (2019) (ISSN: 2601-9299).**
- 38. L. Dăuș, M. Jianu, The reliability polynomial of a network by Bernstein polynomials, Proceedings of the 17th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 38-43, Matrix Rom, București (2020) (ISSN: 2601-9299).**
- 39. M. Jianu, I. Popescu, Approximation of the Solution of BVP by Full Hermite Interpolation Polynomial, Proceedings of the 17th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 61-67, Matrix Rom, București (2020) (ISSN: 2601-9299).**
- 40. M. Jianu, L. Dăuș, A note on Heaviside Step Function, Proceedings of the 18th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 31-38, Matrix Rom, București (2021) (ISSN: 2601-9299).**
- 41. M. Jianu, L. Dăuș, The roots of reliability polynomials for series-parallel networks, Proceedings of the 19th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 36-43, Matrix Rom, București (2022) (ISSN: 2601-9299).**
- 42. L. Dăuș, M. Jianu, Chromatic polynomials for some families of graphs, Proceedings of the 20th Workshop on Mathematics, Computer Science and Technical Education, Department of Mathematics and Computer Science, TUCEB, 46-54, Matrix Rom, București (2023) (ISSN: 2601-9299).**

Cărți, culegeri de probleme

- Popescu, S. A., **Jianu, M.** - A course in differential equations, calculus of variations and probabilities. Vol I, II, Conspress, 2015.
- Păltineanu, G., **Jianu, M.**, Marcoci, A.N., Majercsik, L., Matei, A.D. – Culegere de probleme de analiză matematică, Vol. I. Calcul diferențial, Conspress București, 2016.
- **Jianu, M.**, Marcoci, A.N., Majercsik, L., Matei, A.D. – Culegere de probleme de analiză matematică. Vol. II. Calcul integral, Editura Conspress, București, 2017.
- Popescu, S. A., **Jianu, M.** - Advanced Mathematics for Engineers and Physicists, Springer, 2023.

Proiecte de cercetare
(Team member)

- NATO SfP 973684 - SQUASH (Somes /Szamos Quantitative and Qualitative Study of the Hydrogeology), 2000-2004, proiect desfășurat în colaborare cu Universitatea din Liège (Belgia) și Universitatea din Mishcoltz (Ungaria); stagiu de pregătire (mai 2002 - august 2002) la Universitatea din Liège (Mathematical Modelling in Hydrogeology).
- UTCB-CDI-2021-012 („Curbe remarcabile, suprafețe în spațiu și aplicații – CURSSA”) finanțat de Ministerul Educației (2021). Proiect finalizat cu publicarea unui articol ISI: **M. Jianu, S. Achimescu, L. Dăuș, A. Mihai, O.A. Roman, D. Tudor, Characterization of Rectifying Curves by Their Involutives and Evolutes**, Mathematics, 9(23), Art. 3077 (2021)
- UTCB-CDI-2022-012 („Suprafețe remarcabile cu aplicații – SUPREMA”) finanțat de Ministerul Educației. Proiect finalizat cu publicarea unui articol ISI: **M. Jianu, S. Achimescu, L. Dăuș, I. Mierluș-Mazilu, A. Mihai, D. Tudor, On a Surface Associated to the Catalan Triangle**, Axioms, 11(12), Art. 685 (2022)
- PN-III-P4-ID-PCE-2020-2495 (ThUNDER² = Techniques for Unconventional Nano-Designing in the Energy-Reliability Realm). Proiect finanțat de Ministerul Educației și Cercetării, CNCS-UEFISCDI, în cadrul PNCDI III. Articole ISI publicate: V. Beiu, L. Dăuș, **M. Jianu**, A. Mihai, I. Mihai, *On a surface associated to Pascal's triangle*, Symmetry, 14(2), Art. 411 (2022). **M. Jianu**, L. Dăuș, M. Nagy, R.M. Beiu, *Approximating the Level Curves on Pascal's Surface*, International Journal of Computers Communications & Control, 17(4), Art. 4865 (2022) ; **M. Jianu**, L. Dăuș, V.-F. Drăgoi, V. Beiu, *Reliability polynomials of consecutive-k-out-of-n:F systems have unbounded roots*, Networks 82 (2023), 222–228; **M. Jianu**, L. Dăuș, V.-F. Drăgoi, V. Beiu, *The roots of the reliability polynomials of circular consecutive-k-out-of-n:F systems*, Mathematics 11 (20), 4252 (2023)

Participări la conferințe
internaționale

- International Conference “Trends and challenges in applied mathematics” (ICTCAM 2007), Bucharest, Romania, June 20–23, 2007 (M. Jianu, R. Drobot: *Application of simulated annealing for solving a groundwater flow inverse problem*)
- International Conference “Riemannian Geometry and Applications” (RIGA 2014), Bucharest, Romania, May 19–21, 2014 (G. Groza, M. Jianu: *Polynomial approximations of solutions of boundary value problems for ODEs which arise from engineering*).
- International Conference on Mathematics, “An Istanbul Meeting for World Mathematicians”, July 3-6, 2018, Istanbul, Turkey (G. Groza, M. Jianu, M. Razzaghi: *Approximation of solutions of FPDE in two independent variables by fractional two-dimensional Taylor series*).
- International Conference on Computational Methods and Applications in Engineering (ICMAE 2018), Timisoara, Romania, May 23 – 26, 2018 (G. Groza, M. Jianu: *Functions represented into fractional Taylor series*).
- International Conference on Computing, Communication and Control (ICCCC 2020), Oradea, Romania, May 11-15, 2020 (L. Dăuș, M. Jianu: *The shape of the reliability polynomial of a hammock network*).
- International Workshop Soft Computing Applications (SOFA 2020), Arad, Romania, November 27-29, 2020 (L. Dăuș, M. Jianu, R.M. Beiu, V. Beiu – A Tale of Catalan Triangles: Counting Lattice Paths). Session Chair – <https://www.sofa-org.eu/2020/technical-session-2-2-rebooting-reliability-from-maths-to-circuits/>
- International Conference on Computing, Communication and Control (ICCCC 2022), Oradea, Romania, May 16-20, 2022 (M. Jianu, L. Dăuș, S.H. Hoară, V. Beiu: *Using Delta-Wye Transformations for Estimating Networks' Reliability*; L. Dăuș, V.F. Drăgoi, M. Jianu, D.Bucerzan, V. Beiu: *On the Roots of Certain Reliability Polynomials*; M. Jianu, L. Dăuș, M. Nagy, R.M. Beiu, *Approximating the Level Curves on Pascal's Surface* – Best Paper Award)
- International Conference on Mathematics, Computer Science and Technical Education (ICMCSTE 2024), Technical University of Civil Engineering Bucharest, Romania, May 24-26, 2024 (M. Jianu, L. Dăuș: *Counting Lattice Paths to Find the Coefficients of Reliability Polynomials*).

Expuneri invitate

- Seminarul științific al Departamentului de Matematica și Informatica din UTCB (București, 14.01.2022): *O nouă caracterizare a curbilor rectificante* (UTCB-CDI-2021-012)
- Joint Seminar of the Analysis, Geometry and Topology Department, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences (Sofia, 08.11.2022): *Surfaces Associated with Pascal and Catalan Triangles* (în cadrul proiectului UTCB-CDI-2022-012)

Distincții, premii

- Diploma de Excelență: **Cercetătorul Anului 2022**, Universitatea Tehnică de Construcții București, Facultatea de Hidrotehnică.

- Articolul *Infinitely differentiable functions represented into Newton interpolating series* (G. Groza, M. Jianu, N. Pop), *Carpathian Journal of Mathematics*, 30(3), 309 – 316 (2014) (SRI: 0.664, IF: 1.4) a fost premiat (zona galbenă) de către CNCSIS in cadrul programului **Premierea rezultatelor cercetării – articole 2014**
- Articolele *Full Hermite interpolation of the reliability of a hammock network* (L. Dăuș, M. Jianu), *Applicable Analysis and Discrete Mathematics*, 14(1), 198 – 220 (2020) (SRI: 1.176, IF: 1.4) și *Optimization of the solution of a dispersion model* (A.N. Dimache, G. Groza, M. Jianu, S. Perju, L. Rece, M. Harničárová, J. Valiček), *Mathematics*, 8(3), Art. 318 (2020) (SRI: 0.734, IF: 2.4) au fost premiate (zona roșie) de către CNCSIS in cadrul programului **Premierea rezultatelor cercetării – articole 2020**
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- Lucrarea cu titlul *Approximating the Level Curves on Pascal's Surface* (M. Jianu, L. Dăuș, M. Nagy, R.M. Beiu), a fost premiata **Best Paper** în cadrul secțiunii *Trustworthy and Green Design* a conferinței internaționale „International Conference on Computing, Communication and Control” (ICCCC 2022), Oradea, Romania, May 16-20, 2022 și a dobândit statutul de **invited paper** în revista *International Journal of Computers Communications & Control*, 17(4), Art. 4865 (2022). ISSN: 1841-9836 (SRI: 0.491, IF: 2.7)
- **Issue Cover** - Apariția pe coperta [Mathematics | December-1 2021 - Browse Articles \(mdpi.com\)](https://www.mdpi.com/math/9/23/3077) Vol. 9, Issue 23, din revista *Mathematics* (Impact Factor 2.4) a articolului: **M. Jianu**, S. Achimescu, L. Daus, A. Mihai, O.A. Roman, D. Tudor, *Characterization of rectifying curves by their involutes and evolutes*, *Mathematics*, 2021, 9(23), 3077, ISSN 2227-7390, DOI 10.3390/math9233077

Alte elemente de recunoastere a contribuțiilor științifice:

- Rezultatele științifice obținute au fost citate in 24 de articole publicate in reviste indexate ISI Web of Science cu SRI peste 0.5 (autocitățile nu au fost considerate).
- Membru în Editorial Board al *Romanian Journal of Mathematics and Computer Science*, revistă indexată BDI
- Referent pentru *Mathematical Reviews* și pentru reviste din domeniul matematic indexate WoS și BDI.

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