

Ime i prezime:	Ivan Dražić
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Ustanova zaposlenja: Datum zaposlenja:	Sveučilište u Rijeci, Tehnički fakultet 30.09.2022.
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Znanstveno-nastavno/nastavno zvanje: Datum zadnjeg izbora: Grana, područje izbora:	Izvanredni profesor Primijenjena matematika i matematičko modeliranje, Prirodne znanosti
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Poznavanje stranih jezika	Engleski i njemački jezik aktivno, talijanski jezik pasivno
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Životopis	- rođenje, državljanstvo: 13.05.1980., Republike Hrvatske - fakultet: - magisterij: - Sveučilište u Rijeci, Filozofski fakultet u Rijeci, zvanje: profesor matematike i informatike (2004.), diplomski rad: <i>Distribucije i diferencijalne jednačbe na prostoru distribucija</i>, mentor: dr. sc. N. Mujaković - doktorat: - Sveučilište u Zagrebu, PMF – Matematički odsjek, poslijediplomski znanstveni studij matematike, zvanje: doktor znanosti (2014.), disertacija: <i>Sferno simetrično trodimenzionalno nestacionarno gibanje mikropolarnog kompresibilnog viskoznog fluida</i>, mentori: prof. dr. sc. N. Mujaković i prof. dr. sc. Z. Tutek - dodatno obrazovanje: nema - podaci o prethodnim zaposlenjima: 2017. – 2022., Sveučilište u Rijeci, Tehnički fakultet, Zavod za matematiku, fiziku, strane jezike i kineziologiju, Katedra za primjenjenu matematiku, docent 2016. – 2017., Sveučilište u Rijeci, Tehnički fakultet, Zavod za matematiku, fiziku, strane jezike i kineziologiju, Katedra za primjenjenu matematiku, viši predavač 2010. – 2016., Sveučilište u Rijeci, Tehnički fakultet, Zavod za matematiku, fiziku, strane jezike i kineziologiju, Katedra za primjenjenu matematiku, predavač 2005. – 2010., Sveučilište u Rijeci, Tehnički fakultet, Zavod za matematiku, fiziku, strane jezike i kineziologiju, Katedra za primjenjenu matematiku, asistent 2001. – 2005., OŠ Vladimira Nazora Crikvenica, stručni suradnik informatičar – učitelj matematike i informatike
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Popis radova objavljenih u znanstveno-istraživačkim časopisima	- Čotić Poturić, V., Čandrić, S., Dražić, I.: A Scoring Algorithm for the Early Prediction of Academic Risk in STEM Courses, <i>Algorithms</i> (2025), 18(4), 177, JCR 2023: Q1 (Computer Science, Theory & Methods), IF: 1.8, doi: 10.3390/a18040177 - Žužić, L., Dražić, I., Simčić, L., Hrčić, F., Lerga, J.: A Bayesian and Markov chain approach to short-term and long-term personal watercraft trajectory forecasting, <i>Journal of the Franklin Institute</i>, 362 (3), 107509, JCR 2023: Q1 (Mathematics, Interdisciplinary applications), IF: 3.9
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	3. Črnjarić, N., Dražić, I.: <i>A Comprehensive Model and Numerical Study of Shear Flow in Compressible Viscous Micropolar Real Gases</i>, Axioms (2024), 13 (12), 845, JCR 2023: Q1 (Applied mathematics), IF: 1.9 4. Bašić-Šiško, A., Dražić, I., Simčić, L.: <i>Three-dimensional model of a spherically symmetric compressible micropolar fluid flow with real gas equation of state</i>, Symmetry (2024), 16 (10), 1330, JCR 2023: Q2 (Multidisciplinary Sciences), IF: 2.2 5. Bašić-Šiško, A., Dražić, I.: <i>Global existence theorem of a generalized solution for a one-dimensional thermal explosion model of a compressible micropolar real gas</i>, Mathematical Methods in the Applied Sciences (2024), 47 (12), 10024-10039, JCR 2023: Q1 (Applied mathematics), IF: 2.1 6. Bašić-Šiško, A., Dražić, I.: <i>Uniqueness of a generalized solution for a one-dimensional thermal explosion model of a compressible micropolar real gas</i>, Mathematics (2024), 12 (5), 717, JCR 2023: Q1 (Mathematics), IF: 2.3 7. Bašić-Šiško, A., Dražić, I.: <i>Local existence theorem for micropolar viscous real gas flow with homogeneous boundary conditions</i>, Mathematical Methods in the Applied Sciences (2023), 46 (5), 5395-5421 (2023), JCR 2022: Q1 (Applied mathematics), IF: 3.007 8. Bašić-Šiško, A., Dražić, I.: <i>One-dimensional model and numerical solution to the viscous and heat-conducting reactive micropolar real gas flow and thermal explosion</i>, Iranian Journal of Science and Technology – Transactions of Mechanical Engineering 47, 19-39 (2023), JCR 2020: Q3 (Mechanical Engineering), IF: 1.596 9. Bašić-Šiško, A., Dražić, I., Simčić, L.: <i>One-dimensional model and numerical solution to the viscous and heat-conducting micropolar real gas flow with homogeneous boundary conditions</i>, Mathematics and Computers in Simulation, 195, 71-81 (2022), JCR 2020: Q1 (Applied mathematics), IF: 2.463 10. Bašić-Šiško, A., Dražić, I.: <i>Local existence for viscous reactive micropolar real gas flow and thermal explosion with homogeneous boundary conditions</i>, Journal of Mathematical Analysis and Applications, 509 (2), 125988 (2022) JCR 2020: Q1 (Mathematics), Q2 (Applied mathematics), IF: 1.583 11. Bašić-Šiško, A., Dražić, I.: <i>Uniqueness of generalized solution to micropolar viscous real gas flow with homogeneous boundary conditions</i>, Mathematical Methods in the Applied Sciences, 44 (6), 4330-4341 (2021), DOI: 10.1002/mma.7032, JCR 2020: Q1 (Applied mathematics), IF: 2.057 12. Bašić-Šiško, A., Dražić, I.: <i>Global solution to a one-dimensional model of viscous and heat-conducting micropolar real gas flow</i>, Journal of Mathematical Analysis and Applications, 495 (1), 124690 (2021), DOI: 10.1016/j.jmaa.2020.124690 JCR 2020: Q1 (Mathematics), Q2 (Applied mathematics), IF: 1.583 13. Dražić, I., Črnjarić-Žic, N., Simčić, L.: <i>A shear flow problem for compressible viscous micropolar fluid: derivation of the model and numerical solution</i>, Mathematics and Computers in Simulation 162, pp 249-267 (2019), JCR 2017: Q1 (Applied mathematics), IF: 1.476 14. Huang, L., Dražić, I.: <i>Exponential stability for the compressible micropolar fluid with cylinder symmetry in R^3</i>, Journal of Mathematical Physics 60, 021507, pp 1-14 (2019), JCR 2017: Q3 (Mathematical physics), IF: 1.165 15. Dražić, I., Mujaković, N.: <i>Local existence of the generalized solution for three-dimensional compressible viscous flow of micropolar fluid with</i>
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	<i>cylindrical symmetry</i>, Boundary value problems 2019 (16), pp 1-25 (2019), JCR 2017: Q1 (Mathematics), Q2 (Applied mathematics), IF: 1.156 16. Dražić, I.: <i>Dimensionless formulation for the one-dimensional compressible flow of the viscous and heat-conducting micropolar fluid</i>, Physics & Astronomy International Journal 2 (5), pp 420-423 (2018) 17. Huang, L., Dražić, I.: <i>Large-time behavior of solutions to the 3-D flow of a compressible viscous micropolar fluid with cylindrical symmetry</i>, Mathematical Methods in the Applied Sciences 41 (17), 7888-7905 (2018), DOI: 10.1002/mma.5250, JCR 2017: Q2 (Applied mathematics), IF: 1.18 18. Dražić, I., Simčić, L.: <i>One-dimensional flow of a compressible viscous and heat-conducting micropolar fluid with homogeneous boundary conditions: a brief survey of the theory and recent progress</i>, Global and Stochastic Analysis 5 (1), pp. 45-55 (2018) 19. Dražić, I.: <i>3-D flow of a compressible viscous micropolar fluid model with spherical symmetry: a brief survey and recent progress</i>, Reviews in Mathematical Physics 30, 1830001 (17 stranica) (2018), JCR 2016: Q2 (Mathematical Physics), IF: 1.426 20. Dražić, I.: <i>3-D flow of a compressible viscous micropolar fluid with cylindrical symmetry: a global existence theorem</i>, Mathematical Methods in the Applied Sciences 40 (13), pp. 4785-4801 (2017), JCR 2016: Q2 (Applied mathematics), IF: 1.017 21. Dražić, I., Črnjarić-Žic, N., Mujaković, N.: <i>Three-dimensional compressible viscous micropolar fluid with cylindrical symmetry: derivation of the model and a numerical solution</i>, Mathematics and Computers in Simulation 140, pp. 107–124 (2017), JCR 2016: Q2 (Applied mathematics), IF: 1.218 22. Mujaković, N., Simčić, L., Dražić, I.: <i>3-D flow of a compressible viscous micropolar fluid with cylindrical symmetry: uniqueness of a generalized solution</i>, Mathematical Methods in the Applied Sciences 40 (7), pp. 2686–2701 (2017), JCR 2016: Q2 (Applied mathematics), IF: 1.017 23. Dražić, I., Mujaković, N., Simčić, L.: <i>3-D flow of a compressible viscous micropolar fluid with spherical symmetry: regularity of the solution</i>, Journal of Mathematical Analysis and Applications 438 (1), pp. 162-183 (2016), JCR 2014: Q1 (Mathematics), Q2 (Applied mathematics), IF: 1.120 24. Dražić, I., Mujaković, N.: <i>3-D flow of a compressible viscous micropolar fluid with spherical symmetry: large time behavior of the solution</i>, Journal of Mathematical Analysis and Applications 431 (1), pp. 545-568 (2015), JCR 2014: Q1 (Mathematics), Q2 (Applied mathematics), IF: 1.120 25. Dražić, I., Mujaković, N.: <i>3-D flow of a compressible viscous micropolar fluid with spherical symmetry: a global existence theorem</i>, Boundary value problems 98, pp. 1-21 (2015), JCR 2014: Q1 (Mathematics), Q2 (Applied mathematics), IF: 1.014 26. Mujaković, N., Dražić, I.: <i>3-D flow of a compressible viscous micropolar fluid with spherical symmetry: uniqueness of a generalized solution</i>, Boundary value problems 226, pp. 1-17 (2014), JCR 2013: Q1 (Mathematics), Q2 (Applied mathematics), IF: 0.836 27. Dražić, I., Mujaković, N.: <i>3-D flow of a compressible viscous micropolar fluid with spherical symmetry: a local existence theorem</i>, Boundary value problems 69, pp. 1-28 (2012), JCR 2011: Q1 (Mathematics), Q2 (Applied mathematics), IF: 0.911 28. Mujaković, N., Dražić, I.: <i>The Cauchy problem for one-dimensional flow of a compressible viscous fluid: stabilization of the solution</i>, Glasnik matematički 46 (1), pp. 215-231 (2011), JCR 2010: Q3 (Mathematics), Q4 (Applied mathematics), IF: 0.475
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	29. Dražić, I., Barišić, B., Mujaković, N. <i>Implementation of Shishkin mesh in the modelling of spring-mass system</i>, Transaction of the VŠB – Technical University of Ostrava LVI (1), pp. 49-52 (2010), 30. Dražić, I., Barišić, B., Jurasić, K. <i>Modeling of orthoptic curve associated to couple of circles</i>, Technological engineering 6 (2), pp. 13-16 (2009) 31. Dražić, I., Mujaković, N., <i>Approximate solution for 1-D compressible viscous micropolar fluid model in dependance of initial conditions</i>, International Journal of Pure and Applied Mathematics 42, pp. 535-540 (2008) 32. Dražić, I., Barišić, B., Mujaković, N., <i>The implementation of iterative outer approximation method for elasto-plastic torsion problem</i>, Technological engineering 5 (1), pp. 37-39 (2008) 33. Mujaković, N., Dražić, I., <i>Numerical approximations of the solution for one-dimensional compressible viscous micropolar fluid model</i>, International Journal of Pure and Applied Mathematics 38, pp. 285-296 (2007)
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Popis radova koji nastavnika kvalificiraju za izvođenje nastave	Svi radovi iz prethodnog popisa
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Popis znanstveno-istraživačkih projekata u svojstvu voditelja	1. Projekt inicijalne potpore istraživanjima Sveučilišta u Rijeci br. 17.10.2.2.01, <i>Inicijalno-rubni problemi u istraživanju modela mikropolarnog kontinuuma</i>, voditelj (2017.) 2. Projekt inicijalne potpore istraživanjima Sveučilišta u Rijeci br. 16.09.2.2.01, <i>Inicijalno-rubni problemi u istraživanju kompresibilnog mikropolarnog termoprovodljivog fluida</i>, voditelj (2016.)
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Popis znanstveno-istraživačkih projekata u svojstvu suradnika	1. HRZZ projekt Višeskalni problemi u mehanici fluida (HRZZ-IP-2019-04-1140) 2. UNIRI projekti iskusnih znanstvenika 2023: Matematičko modeliranje mikropolarnog fluida i numerička spektralna analiza primjenom podacima vođenih algoritama (uniri-iskusni-prirod-23-184) 3. UNIRI projekti iskusnih znanstvenika 2023: Razvoj informacijskog sustava za ranu detekciju neuspjeha kod studenata na STEM predmetima (uniri-iskusni-drustv-23-236) 4. Potpora istraživanjima Sveučilišta u Rijeci: Analiza matematičkih modela mehanike fluida i tehničkih sustava pomoću podacima vođenih algoritama za Koopmanov operator (uniri-prirod-18-118-1257) 5. Projekt potpore istraživanjima Sveučilišta u Rijeci br. 13.14.1.3.03, Matematičko i numeričko modeliranje kompresibilnog mikropolarnog fluida
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Broj mentorstava na doktorskim radovima	1 završen, 2 u tijeku
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Broj članstava u komisijama za ocjenu i obranu doktorskih radova	0
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