Listă lucrări Chirilă Adina

A. Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii

1. **A. Chirilă**, M. Marin, *Wave propagation in diffusive microstretch thermoelasticity*, **Mathematics and Computers in Simulation**, 189:99-113, 2021 (Elsevier) **(ISI)** (FI: 2.463, SRI: 0.998) WOS: 000683684700010, DOI: 10.1016/j.matcom.2020.08.012, ISSN: 0378-4754, https://www.sciencedirect.com/science/article/abs/pii/S0378475420302810
2. **A. Chirilă**, M. Marin, *Spatial behaviour of thermoelasticity with microtemperatures and microconcentrations*, **ITM Web of Conferences, International Conference on Applied Mathematics and Numerical Methods - third edition (ICAMNM 2020)**, 34, 02001, 2020 **(ISI)** WOS: 000733624000007, DOI: 10.1051/itmconf/20203402001, ISSN: 2271-2097, https://www.itm-conferences.org/articles/itmconf/abs/2020/04/itmconf_icamnm2020_02001/itmconf_icamnm2020_02001.html
3. **A. Chirilă**, M. Marin, A. Montanaro, *On adaptive thermo-electro-elasticity within a Green-Naghdi type II or III theory*, **Continuum Mechanics and Thermodynamics**, 31(5):1453-1475, 2019 (Springer) **(ISI)** (FI: 3.822, SRI: 1.572) WOS: 000477680700009, DOI: 10.1007/s00161-019-00766-2, ISSN: 0935-1175, https://link.springer.com/article/10.1007/s00161-019-00766-2
4. M. Marin, **A. Chirilă**, M. I. A. Othman, *An extension of Dafermos's results for bodies with a dipolar structure*, **Applied Mathematics and Computation**, 361:680-688, 2019 (Elsevier) **(ISI)** (FI: 4.091, SRI: 1.165) WOS: 000474545500055, DOI: 10.1016/j.amc.2019.06.024, ISSN: 0096-3003, https://www.sciencedirect.com/science/article/abs/pii/S0096300319304898
5. L. Codarcea-Munteanu, **A. Chirilă**, M. Marin, *Modeling fractional order strain in dipolar thermoelasticity*, **9th Vienna International Conference on Mathematical Modelling, IFACPapersOnLine**, 51(2):601-606, 2018 (Elsevier) **(ISI)** WOS: 000435693000103, DOI: https://doi.org/10.1016/j.ifacol.2018.03.102, ISSN: 2405-8963, https://www.sciencedirect.com/science/article/pii/S240589631830106X
6. **A. Chirilă**, *A new type of q-Szasz-Mirakjan operators*, **Filomat**, 31(18):5617-5628, 2017 **(ISI)** (FI: 0.844, SRI: 0.415) WOS: 000428734700010, DOI: 10.2298/FIL1718617C, ISSN: 0354-5180, https://www.pmf.ni.ac.rs/filomat-content/2017/31-18/31-18-10-4938.pdf
7. **A. Chirilă**, R. P. Agarwal, M. Marin, *Proving uniqueness for the solution of the problem of homogeneous and anisotropic micropolar thermoelasticity*, **Boundary Value Problems**, 2017(3):1-14, 2017 (Springer) **(ISI)** (FI: 2.075, SRI: 0.574) WOS: 000396134700001, DOI: 10.1186/s13661-016-0734-0, ISSN: 1687-2770, https://boundaryvalueproblems.springeropen.com/articles/10.1186/s13661-016-0734-0
8. **A. Chirilă**, *Generalized micropolar thermoelasticity with fractional order strain*, **Bulletin of the Transilvania University of Brașov, Series III: Mathematics, Informatics, Physics**, 10(59)(1):83-90, 2017 **(BDI)** ISSN: 2810-2029, http://webbut2.unitbv.ro/BU2017/Series%20III/2017/BULETIN%20I%20PDF/8.%20Chirila.pdf
9. M. Marin, R. Ellahi, **A. Chirilă**, *On solutions of Saint-Venant's problem for elastic dipolar bodies with voids*, **Carpathian Journal of Mathematics**, 33(2):219-232, 2017 **(ISI)** (FI: 1.778, SRI: 0.664) WOS: 000411780600009, ISSN: 1584-2851, https://www.jstor.org/stable/90017791

B. Teza de doctorat

1. **A. Chirilă**, *Studiul problemelor mixte pentru medii continue generalizate*, 2019, conducător științific: prof. dr. M. Marin, domeniul de doctorat: matematică

C. Brevete de invenție și alte titluri de proprietate industrială

D. Cărți

1. **A. Chirilă**, *Skript zur Vorlesung Analysis*, Editura Universității Transilvania din Brașov, 202 pag., 2022 (în limba germană) ISBN: 978-606-19-1479-1
2. **A. Chirilă**, M. Marin, A. Öchsner, *Distribution Theory Applied to Differential Equations*, Springer, Cham, 276 pag., 2021 (în limba engleză) DOI: https://doi.org/10.1007/978-3-030-67159-4, Hardcover ISBN: 978-3-030-67158-7, https://link.springer.com/book/10.1007/978-3-030-67159-4

E. Articole științifice publicate în capitole de carte

1. **A. Chirilă**, M. Marin, *Numerical algorithms in mechanics of generalized continua*, in Š. Hošková-Mayerová, C. Flaut, F. Maturo (eds.) **Algorithms as a Basis of Modern Applied Mathematics. Studies in Fuzziness and Soft Computing**, 404:177-188, 2021 (Springer) **(BDI)** DOI: https://doi.org/10.1007/978-3-030-61334-1_9, Print ISBN: 978-3-030-61333-4, https://link.springer.com/chapter/10.1007/978-3-030-61334-1_9
2. **A. Chirilă**, M. Marin, *Diffusion in microstretch thermoelasticity with microtemperatures and microconcentrations*, in C. Flaut, Š. Hošková-Mayerová, D. Flaut (eds.) **Models and Theories in Social Systems. Studies in Systems, Decision and Control**, 179:149-164, 2019 (Springer) **(BDI)** DOI: https://doi.org/10.1007/978-3-030-00084-4_8, Print ISBN: 978-3-030-00083-7, https://link.springer.com/chapter/10.1007/978-3-030-00084-4_8

F. Articole științifice publicate în proceedings

1. **A. Chirilă**, M. Marin, *Spatial behaviour of thermoelasticity with microtemperatures and microconcentrations*, **ITM Web of Conferences, International Conference on Applied Mathematics and Numerical Methods - third edition (ICAMNM 2020)**, 34, 02001, 2020 **(ISI)** WOS: 000733624000007, DOI: 10.1051/itmconf/20203402001, ISSN: 2271-2097, https://www.itm-conferences.org/articles/itmconf/abs/2020/04/itmconf_icamnm2020_02001/itmconf_icamnm2020_02001.html
2. L. Codarcea-Munteanu, **A. Chirilă**, M. Marin, *Modeling fractional order strain in dipolar thermoelasticity*, **9th Vienna International Conference on Mathematical Modelling, IFACPapersOnLine**, 51(2):601-606, 2018 (Elsevier) **(ISI)** WOS: 000435693000103, DOI: https://doi.org/10.1016/j.ifacol.2018.03.102, ISSN: 2405-8963, https://www.sciencedirect.com/science/article/pii/S240589631830106X

G. Articole științifice publicate în reviste de specialitate

1. **A. Chirilă**, M. Marin, *Wave propagation in diffusive microstretch thermoelasticity*, **Mathematics and Computers in Simulation**, 189:99-113, 2021 (Elsevier) **(ISI)** (FI: 2.463, SRI: 0.998) WOS: 000683684700010, DOI: 10.1016/j.matcom.2020.08.012, ISSN: 0378-4754, https://www.sciencedirect.com/science/article/abs/pii/S0378475420302810
2. M. Marin, **A. Chirilă**, L. Codarcea-Munteanu, *On a thermoelastic material having a dipolar structure and microtemperatures*, **Applied Mathematical Modelling**, 80:827-839, 2020 (Elsevier) **(ISI)** (FI: 5.129, SRI: 2.000) WOS: 000517665300044, DOI: 10.1016/j.apm.2019.11.022, ISSN: 0307-904X, https://www.sciencedirect.com/science/article/abs/pii/S0307904X1930695X
3. M. Marin, **A. Chirilă**, M. I. A. Othman, *An extension of Dafermos's results for bodies with a dipolar structure*, **Applied Mathematics and Computation**, 361:680-688, 2019 (Elsevier) **(ISI)** (FI: 4.091, SRI: 1.165) WOS: 000474545500055, DOI: 10.1016/j.amc.2019.06.024, ISSN: 0096-3003, https://www.sciencedirect.com/science/article/abs/pii/S0096300319304898
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5. M. Marin, **A. Chirilă**, A. Öchsner, S. Vlase, *About finite energy solutions in thermoelasticity of micropolar bodies with voids*, **Boundary Value Problems**, 2019(89):1-14, 2019 (Springer) **(ISI)** (FI: 2.075, SRI: 0.574) WOS: 000468144800001, DOI: 10.1186/s13661-019-1203-3, ISSN: 1687-2770, https://link.springer.com/article/10.1186/s13661-019-1203-3

6. M. Marin, **A. Chirilă**, L. Codarcea, S. Vlase, *On vibrations in Green-Naghdi thermoelasticity of dipolar bodies*, **Analele Ştiinţifice ale Universităţii Ovidius Constanţa - Seria Matematică**, 27(1):125-140, 2019 **(ISI)** (FI: 1.045, SRI: 0.385) WOS: 000465369400007, DOI: 10.2478/auom-2019-0007, ISSN: 1224-1784, https://www.anstuocmath.ro/mathematics/anale2019vol1/6_Marin%20M.,%20Chirila%20A.,%20Codarcea%20L.,%20Vlase%20S..pdf
7. **A. Chirilă**, M. Marin, *The theory of generalized thermoelasticity with fractional order strain for dipolar materials with double porosity*, **Journal of Materials Science**, 53(5):3470-3482, 2018 (Springer) **(ISI)** (FI: 4.220, SRI: 1.006) WOS: 000417731300029, DOI: 10.1007/s10853-017-1785-z, ISSN: 0022-2461, https://link.springer.com/article/10.1007/s10853-017-1785-z
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