

Mihaela CAIAN

Lista lucrărilor publicate

A) Lucrări în extenso publicate în reviste ISI (web-of-Science)

1. **Mihaela Caian**, RP Mic, C Corbus, CV Angearu, M Matreata. Extreme flood modeling and mechanism over Crisul Alb basin in Romania. *Catena* 196, DOI:10.1016/j.catena.2020.104923. 104923. **2020**
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4. T Koenigk, **Mihaela Caian**, G Nikulin, S. Schimanke Regional Arctic sea ice variations as predictor for winter climate conditions. *Climate Dynamics* 46, 317-337. **2016**
5. **Mihaela Caian**, T Koenigk, R Döscher, A Devasthale. An interannual link between Arctic sea-ice cover and the North Atlantic Oscillation *Climate dynamics* 50, 423-441, **2018**
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7. **Mihaela Caian**, J-F Geleyn Some limits to the variable-mesh solution and comparison with the nested-lam solution. *Quarterly Journal of the Royal Meteorological Society* 123 (539), 743-766. **1997**
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9. DM Smith, AA Scaife, E Hawkins, R Bilbao, GJ Boer, **M Caian**, LP Caron, al. Predicted chance that global warming will temporarily exceed 1.5 C *Geophysical Research Letters* 45 (21), 11,895-11,903. **2018**
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11. PK Xavier, JC Petch, NP Klingaman, SJ Woolnough, X Jiang, D.E Waliser, **Mihaela Caian**, Jason Cole, et al. Vertical structure and physical processes of the Madden-Julian Oscillation: Biases and uncertainties at short range *Journal of Geophysical Research: Atmospheres* 120 (10), 4749-4763. **2015**
12. T Koenigk, C König Beatty, **M Caian**, R Döscher, K Wyser Potential decadal predictability and its sensitivity to sea ice albedo parameterization in a global coupled model. *Climate Dyn.*38, 2389-2408. **2012**
13. S Leroux, G Bellon, R Roehrig, **M Caian**, NP Klingaman, JP Lafore, al. Inter-model comparison of subseasonal tropical variability in aquaplanet experiments: Effect of a warm pool *Journal of Advances in Modeling Earth Systems* 8 (4), 1526-1551. **2016**
14. Belda M., P. Skalák, A Farda, T Halenka, M Déqué, G Csima, J Bartholy, C. Torma, C. Boroneant C., **M Caian**, V. Spiridonov .CECILIA regional climate simulations for future climate: analysis of climate change signal *Advances in Meteorology* 2015, 1-13. **2015**
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16. **Mihaela Caian**, F Georgescu, M: Pietrisi, O Catrina..Recent changes in storm track over the Southeast Europe: a mechanism for changes in extreme cyclone variability.*Atmosphere* 12 (10), 1362. <https://doi.org/10.3390/atmos12101362>. **2021**
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25. Changes in Breeze Warmest Summers for the Romanian Black Sea Coast in Climate Scenarios for the Time Horizon 2050. 2021 "Air and Water – Components of the Environment" **Caian, M.**, Radu, C., Bandoc, G. (2021) .**Conference Proceedings**, Cluj-Napoca, Romania, **p. 149-158**, DOI: 10.24193/AWC2021_14. **(10 pg)**. Air and Water- components of the Environment, Martie 2021. Conference Proceedings Cluj-Napoca, Martie 2021, ISSN: 2067-743X
26. Model validation and drought assessment with a regional climate model over Moldova. V Potop, C Boroneant, **M Caian** . Scientia Agriculturae Bohemica 43 (4), 134-144, Indexed in SCOPUS:SJR (2018): 0,212 - Q3
Using various visualization techniques to outline vulnerability to drought in the Republic of Moldova. ,C Boroneanț, V Potop, **M Caian**. J Soukup Geographia Napocensis 7 (2), 97-108
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28. Effect of air pollution upon the hospitalization for acute lower respiratory tract infections among the Bucharest municipality's residents.Nedelcu N-Ion, M Nițescu, **M Caian**, R Bacruban, E Ceaușu. Bacteriologia, Virusologia, Parazitologia, Epidemiologia (Bucharest, Romania), ISSN: 1220-3696.
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31. On-line Air Quality Monitoring and Warning support system for Bucharest urban area. V Crăciunescu, **M Caian**, C Flueraru, A Nertan.Geographia Technica 7 (1) DOI: 10.21163 ISSN 1842-5135 (Printed version). Indexa CLARIVATE ANALYTICS,SCOPUS,GEOBASE,EBSCO,[SJR,CABELL](#).ISSN 2065-4421

B) Lucrări în extenso publicate în alte reviste: Newsletter, Rapoarte stiintifice, Note Tehnice

1. **M. Caian**, J.D. Haigh, UGAMP Newsletter, 27 Oct. 2003: Ocean feedback on wave propagation during post-volcanic eruption winters , Imperial College, London: <http://www.met.reading.ac.uk/~sws05agt/pubs/newsletter27.pdf>, UK
2. **M. Caian**, J.D. Haigh UGAMP Newsletter, 27 Oct. 2003. Eddy activity in the presence of stratospheric aerosol., Imperial College, London, <http://www.met.reading.ac.uk/~sws05agt/pubs/newsletter27.pdf>, UK
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4. D. Banciu, **M. Caian** Aladin model Newsletter No. 36. 2009. Romania report 2009. (pg. 13-15) <https://www.umr-cnrm.fr/aladin/IMG/pdf/FULL.pdf>
5. Rada C., A. Sima and **M. Caian** Aladin Model Newsletter, 2000. Ozone profile fitted to Bucharest measured data., 2000: ALADIN Newsletter 18, 51-57, France. <https://www.umr-cnrm.fr/aladin-old/newsletters/news18/caian.html>
6. Radnoti G, A. Ajaji, R. Bubnova, **M. Caian**, E. Cordoneanu, K Emde, JD Grill, J Hoffman, A. Horanyi, S Issara, V Ivanovici, M Janousek, A. Joly, P Lemoigne, S Malardel. The spectral limited area model ARPEGE/ALADIN PWPR Report Series, No.7, WMO/TD no. 699, pp.111-118. https://www.umr-cnrm.fr/aladin/IMG/pdf/RADNOTI-pdf_-_Adobe_Acrobat_Professional.pdf
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11. Gabriela Băncilă, Cristian Crăciun, Mihaela Neacsu, **Mihaela Caian**. Application and Verification of ECMWF Products 2021 – Romania. Green Boock 2021, Chapter, <https://www.ecmwf.int/en/elibrary/81256-application-and-verification-ecmwf-products-2021-romania>
12. **Caian M.** Ciobanu M. Grant Cercetare “Dezvoltarea unei versiuni în grila variabilă pentru modelarea la mezo-scară la rezoluție foarte fină: îmbunătățirea simulării și avertizării evenimentelor atmosferice extreme ” Grant al Academiei Române de Științe (Raport final 1997), București, 80 pg.
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16. **Caian M.**, Koenigk T. (2018) Primavera project Raport. Phase 2: 01/12/2016-29/04/2018, WP1: „Development and application of metrics for process-based evaluation and projections: Straosphere-Troposphere precursors linked to NH winter extremes in the EC-Earth model”.
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18. **Caian M.**, C. Jones, Shiyu Wang. (2016) Contribution to Embrace Project Report „Ramp-up / ramp-down scenarios în ensemble ESMS”
19. **Caian M.**, K. Wyser, T. Koenigk, C. Jones. Rossby Centre Newsletter (2012) „AO and Blocking index predictability at decadal time scales în the EC-Earth model”
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21. **Caian M.**, C. Jones, Wyser K. Contribution to SPECS Project Report (2014) „Ozone zonal variability impact on decadal predictions – tropospheric extremes”
22. **Caian M.**, C. Jones, Wyser K. Contribution to SPECS Project Report (2014) „Sensitivity of QBO decadal prediction to horizontal resolution and parameters of Gravity Wave scheme în EC-Earth model”
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24. Cluster analysis for synoptic seasons. Disjoint structures for winter. **Caian M.**, Diaconu O., 1989, Studies and Research, No.4.

C) Teza de doctorat

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Toulouse, Universitatea Paul Sabatier, Franta, 23 Nov. 1996.

D) Cărți și Capitole în Cărți

1. Secretele aerosolului atmosferic în lumina laserilor”, *Editura Ars Docendi*. Universitatea din Bucuresti, 2008, Sabina Ștefan, Doina Nicolae, **Mihaela Caian**, 2008, pg: 354. ISBN: 978-973-558-357-6. Ctegoria: FizicaPagini: 354, Format: B5 (182 x 257 mm); ISBN: 978-973-558-357-6, Categoria: Fizic.

2. Remote Sensing Techniques and Mathematics Modeling for Forest Vegetation Condition Evaluation and Forecasting / Tehnici de Teledetecție și Modelare Matematică pentru Evaluarea și Predicția Stării Vegetației Forestiere”. Zoran, Maria, **Caian, Mihaela**, Gancz, V. - *Editura Conspress – Universitatea Tehnica de Constructii Bucuresti, 2008, ISBN 978-973-100-033-6*

3. Variabilitatea și schimbarea climei în România. Busuioc Aristita, **Caian Mihaela** , Cheval Sorin, Bojariu Roxana, Boroneant Constanta, Baci Madalina, Dumitrescu Alexandru. Editura Pro Universitaria ISBN: 978-973-129-549-7

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Data,
17 Iunie 2023

Semnătura,
CS1, Dr. Mihaela Caian

