

Universitatea: *Academia Tehnică Militară „Ferdinand I”*

Facultatea: C

Departament: C2

Lect.dr. ing. Gabriela-Roxana DOBRE

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

Modelarea cuplată a curgerii și transportului în mediul saturat și nesaturat, Universitatea Tehnică de Construcții, București, 16/09/2014 (data susținerii), conducător de doctorat Prof. univ. dr. ing. Radu DROBOT

B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. Dana Simona Bereanu, Anca Ileana Lupas, Silvia Marzavan, Simona Roatesi, Bogdan Sebacher, Iuliana Sprintu, **Gabriela-Roxana Dobre (2025): *Culegere de probleme de tip grila pentru admiterea în învățământul superior***, Editura Academiei Tehnice Militare “Ferdinand I”, ISBN 978-973-640-354-5.
<https://mta.ro/wp-content/uploads/2025/02/Culegere-mate-2025.pdf>
2. **Dobre Gabriela-Roxana (2020): *Ecuatii diferentiale si ecuatii cu derivate partiale. Metode analitice si numerice. Note de curs si aplicatii in inginerie.*** ISBN: 978-606-25-0574-5, Editura Matrix Rom
https://www.matrixrom.ro/categorii/carti/?filter_autor=gabriela-roxana-dobre
3. Gaitanaru, D.S., **Dobre, G.-R.**, Gogu, R. (2017): Remote sensing, model and in-situ data fusion for snowpack parameters and related hazards in a climate change perspective, *Estimation of Snowmelt Infiltration*, Editura Printech Bucuresti, ISBN 978-606-23-0733-2, SnowBall project,
<https://www.researchgate.net/publication/320559630>

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. **Dobre, G.-R.**, Gaitanaru, D.S., Gogu, R. (2017): *Snowmelt infiltration using Hydrus-1D based on a snow surface energy balance model for Bucegi mountains, Romania*, SGEM 2017- International Multidisciplinary Scientific GeoConference Proceedings, ISBN 978-619-7408-05-8 / ISSN 1314-2704, Vol. 17, Issue 32, 483-490 pp, (Urmează a fi indexat de Thomson Reuters, ISI Web of Science, ISI Web of Knowledge și este deja indexată de ELSEVIER, SCOPUS, EBSCOHost, ProQuest, Springer Nature).DOI: 10.5593/sgem2017/32/S13.063

2. **Dobre, G.-R.**, Gaitanaru, D.S., Gogu, R. (2017): *Snowmelt modelling in urban areas*, Procedia Engineering 209, 127–134,
<https://doi.org/10.1016/j.proeng.2017.11.138>
(The impact factor (IF) 2018 of Procedia Engineering is 0.97)
3. **Dobre, G. -R.**, Gaitanaru, D.S., (2018): *Estimating soil hydraulic properties for unsaturated zone using gradient ant metaheuristic methods*, SGEM 2018- International Multidisciplinary Scientific GeoConference Proceedings, Vol. 18, Iss. 3.2: 165-172. (SGEM Conference Proceedings din 2018 urmează a fi indexat de Clarivate Analytics ISI Web of Science/ Web of Knowledge, SCOPUS, Engineering Village/Compendex, ProQuest, EBSCOhost, British Library, Springer Nature)
DOI:10.5593/sgem2018/3.2/S13.022
4. **Dobre, G.-R.** (2014): *R language: statistical computing and graphics for modeling of hydrologic time series*, Scientific Bulletin. Series, Mathematical Modeling in Civil Engineering, No. 4
(EBSCO, Google Scholar)
5. **Dobre, G.-R.** (2017): *Solving partial differential equation using R*, Proceedings of the 14th Scientific Communications Session of the Department of Mathematics and Computer Science of Technical University of Civil Engineering, ISSN 2067-1332
(Google Scholar)
6. **Dobre, G.-R.**, Sandu, A. E. (2018): *Using R for soil parameter estimation*, Proceedings of the 15th Scientific Communications Session of the Department of Mathematics and Computer Science of Technical University of Civil Engineering, ISSN 2601-9299
(Google Scholar)
7. Sandu, A. E., **Dobre, G.-R.** (2018): *Eigenvalues, eigenvectors and the diagonalization of a matrix with MATLAB, MATHCAD and R software*, Proceedings of the 15th Scientific Communications Session of the Department of Mathematics and Computer Science of Technical University of Civil Engineering, ISSN 2601-9299
(Google Scholar)
8. **Dobre, G.-R.**, Sandu, A. E. (2020): *Mathematical Modeling of Infectious Disease, in the Context of the Spread of the Novel Coronavirus (Covid 19)*, Proceedings of the 17th Scientific Communications Session of the Department of Mathematics and Computer Science of Technical University of Civil Engineering.
(Google Scholar)
9. Sandu, A. E., **Dobre, G.-R.** (2020): *A Comparative Analysis of Infection Cases with Sars-Cov-2 Coronavirus in The First Three Months from The Outbreak of The Infection Cases in Some European Countries*, Proceedings of the 17th Scientific Communications Session of the Department of Mathematics and Computer Science of Technical University of Civil Engineering.
10. Sebacher, B., **Dobre, G.-R.**, Panțâr, C.I. (2025): *Generative models with applications in reservoir engineering*, Proceedings of the 22th Scientific Communications Session of the Department of Mathematics and Computer Science of Technical University of Civil Engineering.

D. Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți (neindexate)

1. **Dobre G.-R.** (2015): *Tabu search optimization with application in groundwater management*, Proceedings of the 13th Workshop of the Dept. of Math. and Computer Sc., Tech. Univ. of Civil Eng
2. **Dobre, G.-R.** (2016): *Solving differential equation in R*, Proceedings of Mathematics and Educational Symposium of Dept. of Math. and Computer Sc., 2nd edition, Tech. Univ. of Civil Eng

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Semnătura: