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College: Faculty of Basic Sciences

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Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenured	Full Time	18

Papers in Journals

1. Manoochehr Khasi , Jalil Rashidinia , Mohammad Navaz Rasoulizadeh, Fast computing approaches based on a bilinear pseudo-spectral method for nonlinear acoustic wave equations, *SIAM Journal on Scientific Computing*, Vol. 45, pp. B413-B439, 2023 08 31.
2. M. N. Rasoulizadeh , Z Avazzadeh , O Nikan, Solitary wave propagation of the generalized Kuramoto-Sivashinsky equation in fragmented porous media, *International Journal of Applied and Computational Mathematics*, Vol. 8, 2022 10 10.
3. O Nikan , Z Avazzadeh , M. N. Rasoulizadeh, Soliton wave solutions of nonlinear mathematical models in elastic rods and bistable surfaces, *Engineering Analysis with Boundary Elements*, Vol. 143, pp. 14-27, 2022 10 01.
4. Zakieh Avazzadeh , Omid Nikan , Jos Tenreiro Machado , Mohammad Navaz Rasoulizadeh, Numerical analysis of time-fractional Sobolev equation for fluid-driven processes in impermeable rocks, *Advances in Continuous and Discrete Models*, Vol. 2022, pp. 48, 2022 06 28.
5. O Nikan , Z Avazzadeh , J. A. Tenreiro Machado , MN Rasoulizadeh, An accurate localized meshfree collocation technique for the telegraph equation in propagation of electrical signals, *Engineering with Computers*, 2022 03 08, JCR-Q1.
6. O Nikan , Z Avazzadeh , MN Rasoulizadeh, Soliton solutions of the nonlinear sine-Gordon model with Neumann boundary conditions arising in crystal dislocation theory, *Nonlinear Dynamics*, Vol. 106, pp. 783–813, 2021 09 05, JCR-Q1.
7. Jalil Rashidinia , & Mohammad Navaz Rasoulizadeh, RADIAL BASIS FUNCTION GENERATED FINITE DIFFERENCE METHOD FOR THE SOLUTION OF SINH-GORDON EQUATION, *TWMS J. Appl. Math. and Eng. Math.*, Vol. 11, No. 3, pp. 893-905, 2021 09 01, Scopus.
8. Mohammad Navaz Rasoulizadeh , M. J. Ebadi , Avazzadeh, Z. , Nikan, O, An efficient local meshless method for the equal width equation in fluid mechanics, *Engineering Analysis with Boundary Elements*, Vol. 131, pp. 258-268, 2021 07 17.
9. Mohammad Navaz Rasoulizadeh , Nikan, O. , Avazzadeh, Z., The impact of LRBF-FD on the solutions of the nonlinear regularized long wave equation, *Mathematical Sciences*, Vol. 15, pp. 365–376, 2021 01

31,JCR-Q1.

10. Numerical computation of the time non-linear fractional generalized equal width model arising in shallow water channel, *Thermal Science*, Vol. 1, No. 24, pp. 49-58, 2020 10 25, JCR-Q3.

11. Mohammad Navaz Rasoulizadeh , Jalil Rashidinia , , Numerical solution for the Kawahara equation using local RBF-FD meshless method, *Journal of King Saud University - Science*, Vol. 32, pp. 2277, 2020 03 10, JCR-Q2.

12. Jalil Rashidinia ,& Mohammad Navaz Rasoulizadeh, Numerical methods based on radial basis function-generated finite difference (RBF-FD) for solution of GKdVB equation, *Wave motion*, Vol. 90, pp. 152-167, 2019 05 16, ISI.