



Published Articles During 2021 (1st January-30th December)-Mathematical Studies for Real Life Problems

| DOI | Affiliation | | Q1, Q2, Q3, Q4 | Name of Journal-Impact Factor | Year | Title | Number of publications | Gender | Position | Name | |
|--------------------------|-------------|-------|--------------------------------------|---|------|---|------------------------|--------|-----------|-----------------|---|
| | Coll of Sci | BASRC | | | | | | | | | |
| In press | ✓ | ✓ | 1-Q2 2-Q2 3-Q2 4-Q2 5-Q1 | 1- Analysis and Mathematical Physics 2- Funkcialaj Ekvacioj 3- Filomat 4- Differ. Equ. Appl 5- Communications in Mathematical Physics | 2021 | 1- Well-posedness for Hardy–Hénon parabolic equations with fractional Brownian noise 2- Global existence and decay estimates for the heat equation with exponential nonlinearity 3- Multiple Nonnegative Solutions for a Class IVPs for Second Order ODEs 4- Well-posedness and blow-up for an inhomogenous semilinear parabolic equation 5- Relaxation to equilibrium in the one-dimensional thin-film equation with partial wetting and linear mobility | 5 | M | Professor | Mohamed Majdoub | ١ |
| In press | ✓ | ✓ | Q3 | <i>Journal of Pseudo-Differential Operators and Applications</i> | 2021 | A critical fractional choquard problem involving a singular nonlinearity and a radon measure | ١ | M | AP | Kamel Saoudi | ٢ |



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| In press | ✓ | ✓ | Q1 | BioData Mining | 2021 | New neural network classification method for individual's ancestry prediction from SNPs data | ١ | M | Professor | Nabil Gmati | ٣ |
|--------------------------|---|---|----|----------------|------|--|---|---|-----------|-------------|---|

- عدد الأبحاث المنشورة للوحدة من يناير الى ديسمبر ٢٠٢١ هو ٧ أبحاث