

## Last Five Years Publications

1. S Prabhu, G Murugan, **M Arockiaraj**, M Arulperumjothi, V Manimozhi , Molecular Topological Characterization of Three Classes of Polycyclic Aromatic Hydrocarbons, Journal of Molecular Structure, 129501. 2020.
2. **M Arockiaraj**, JB Liu, M Arulperumjothi, S Prabhu, On Certain Topological Indices of Three-Layered Single-Walled Titania Nanosheets, Combinatorial Chemistry & High Throughput Screening, Inpress 2020.
3. **M Arockiaraj**, S Klavžar, SRJ Kavitha, S Mushtaq, K Balasubramanian, Relativistic structural characterization of molybdenum and tungsten disulfide materials, International Journal of Quantum Chemistry, e26492, 2020.
4. **M Arockiaraj**, J Clement, D Paul, K Balasubramanian , Relativistic distance-based topological descriptors of Linde type A zeolites and their doped structures with very heavy elements, Molecular Physics, e1798529 2020.
5. **M Arockiaraj**, SRJ Kavitha, S Mushtaq, K Balasubramanian , Relativistic topological molecular descriptors of metal trihalides, Journal of Molecular Structure, 128368, 2020.
6. **M Arockiaraj**, J Clement, N Tratnik, S Mushtaq, K Balasubramanian, Weighted Mostar indices as measures of molecular peripheral shapes with applications to graphene, graphyne and graphdiyne nanoribbons, SAR and QSAR in Environmental Research 31 (3), 187-208, 2020.
7. **M Arockiaraj**, S Klavžar, S Mushtaq, K Balasubramanian, Topological Characterization of the Full  $k$ -Subdivision of a Family of Partial Cubes and Their Applications to  $\alpha$ -Types of Novel Graphyne and Graphdiyne Materials, Polycyclic Aromatic Compounds, 1-23, 2020.
8. **M Arockiaraj**, J Clement, N Tratnik, Mostar indices of carbon nanostructures and circumscribed donut benzenoid systems, International Journal of Quantum Chemistry 119 (24), e26043, 2019.
9. **M Arockiaraj**, J Abraham, AJ Shalini, Node set optimization problem for complete Josephus cubes, Journal of Combinatorial Optimization 38 (4), 1180-1195.
10. **M Arockiaraj**, S Klavžar, J Clement, S Mushtaq, K Balasubramanian, Edge Distance-based Topological Indices of Strength-weighted Graphs and their Application to Coronoid Systems, Carbon Nanocones and SiO<sub>2</sub> Nanostructures, Molecular Informatics 38 (11-12), 1900039, 2020.