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Total Number of Publications: 218

LIST OF RECENT PUBLICATIONS

1. Kumar, PS, Ciattini, S, Laura, C, **Elango**, **KP,** 2020, A new highly selective and sensitive chemodosimeter for dual-channel detection of cyanide in aquo-organic solutions–Solvent effects on photophysical and kinetic properties, Journal of Molecular Liquids, pp. 115068 (**Impact Factor: 5.065**).
2. Shanmugapriya, R, Kumar, PS, Poongodi, K, Nandhini, C, **Elango, KP**, 2020, 3-Hydroxy-2-naphthoic hydrazide as a probe for fluorescent detection of cyanide and aluminium ions in organic and aquo-organic media and its application in food and pharmaceutical samples, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, pp. 119315 (**Impact Factor: 3.232**).
3. Poongodi, K, Kumar, PS, Shanmugapriya, R, Nandhini, C, **Elango, KP**, 2020, 2-Aminophenols based Schiff bases as fluorescent probes for selective detection of cyanide and aluminium ions–Effect of substituents, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, pp. 119288 (**Impact Factor: 3.232**).
4. Nandhini, C, Kumar, PS, Poongodi, K, Shanmugapriya, R, **Elango, KP**, 2020, Development of simple imine based probe for selective fluorescent cyanide sensing with red-emission in solid and solution phases, Journal of Molecular Liquids, pp. 114833 (**Impact Factor: 5.065**).
5. Kumar, PS, **Elango**, **KP,** 2020, A simple organic probe for ratiometric fluorescent detection of Zn (II), Cd (II) and Hg (II) ions in aqueous solution via varying emission colours to distinguish one another, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, vol. 241, pp. 118610 (**Impact Factor: 3.232**).
6. Kumar, PS, Ciattini, S, Laura, C, **Elango**, **KP,** 2020, Fluorescent detection of Al (III) and CN^- in solid and aqueous phases and their recognition in biological samples, Journal of Molecular Liquids, vol. 317, pp. 113970 (**Impact Factor: 5.065**).
7. KN Vennila, B Selvakumar, V Satish, D Sunny, S Madhuri, **Elango**, **KP,** 2020, Structure-based design, synthesis, biological evaluation, and molecular docking of novel 10-methoxy dibenzo [b, h][1, 6] naphthyridinecarboxamides, Medicinal Chemistry Research, pp. 1-9 (**Impact Factor: 1.783**).

8. Mahalakshmi, G, Vennila, KN, Selvakumar, B, Lakshmana, PR, Malwade, R, Deval, S, Madhuri, S, Seenivasaperumal, M, **Elango**, **KP,** 2020, Spectroscopic investigations on DNA binding profile of two new naphthyridine carboxamides and their application as turn-on fluorescent DNA staining probes, Journal of Biomolecular Structure and Dynamics, vol. 38, no. 12, pp. 3443-3451 (**Impact Factor: 3.310**).
9. Mahalakshmi, G, Kumar, PS, Vennila, KN, Sivaraman, G, Seenivasaperumal, M, **Elango**, **KP**, 2020, Multi-site probe for selective turn-on fluorescent detection of Al (III) in aqueous solution: synthesis, cation binding, mode of coordination, logic gate and cell imaging, Methods and Applications in Fluorescence, vol. 8, no. 3, pp. 035003 (**Impact Factor: 2.800**).
10. S Ponkarpagam, G Mahalakshmi, KN Vennila, **Elango**, **KP**, 2020, Multi-spectroscopic, voltammetric and molecular docking studies on binding of anti-diabetic drug rosigiltazone with DNA, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, pp. 118268 (**Impact Factor: 3.232**).
11. Lakshmi, PR, Kumar, PS, **Elango**, **KP**, 2020, A simple fluorophore-imine ensemble for colorimetric and fluorescent detection of CN− and HS− in aqueous solution, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, vol. 229, pp. 117974 (**Impact Factor: 3.232**).
12. Rajalakshmi, P, Jayasudha, P, Ciattini, S, Chelazzi, L, **Elango, KP**, 2019, Crystallographic evidence for resonance assisted H-Bonding effect in selective colorimetric detection of cyanide by arylamino-naphthoquinones, Journal of Molecular Structure, vol. 1195, pp. 259-268 (**Impact Factor: 2.463**).
13. PS Kumar, PR Lakshmi, **Elango, KP**, 2019, Rational design and application of a fluorogenic chemodosimeter for selective detection of cyanide in an aqueous solution via excimer formation, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, vol. 221, pp. 117172 (**Impact Factor: 3.232**).
14. Vennila, VN, **Elango, KP**, 2019, Understanding the binding of quinoline amines with human serum albumin by spectroscopic and induced fit docking methods, Journal of Biomolecular Structure and Dynamics, vol. 37, no. 11, pp. 2753-2765 (**Impact Factor: 3.310**).
15. Ganesh, K, Balraj, C, Satheshkumar, A, **Elango, KP**, 2019, Spectroscopic studies on the formation of charge transfer complexes of L-phenylalanine with 2, 3, 5-trichloro-6-alkoxy-1, 4-benzoquinones in aqueous medium, Arabian Journal of Chemistry, vol. 12, no. 4, pp. 503-514 (**Impact Factor: 4.762**).
16. Lakshmi, PR, Manivannan, R, Jayasudha, P, **Elango, KP**, 2018, An ICT-based chemodosimeter for selective dual channel sensing of cyanide in an aqueous solution, Analytical Methods, vol. 10, no. 20, pp. 2368-2375 (**Impact Factor: 2.596**).