

# Indian Journal of Chemistry

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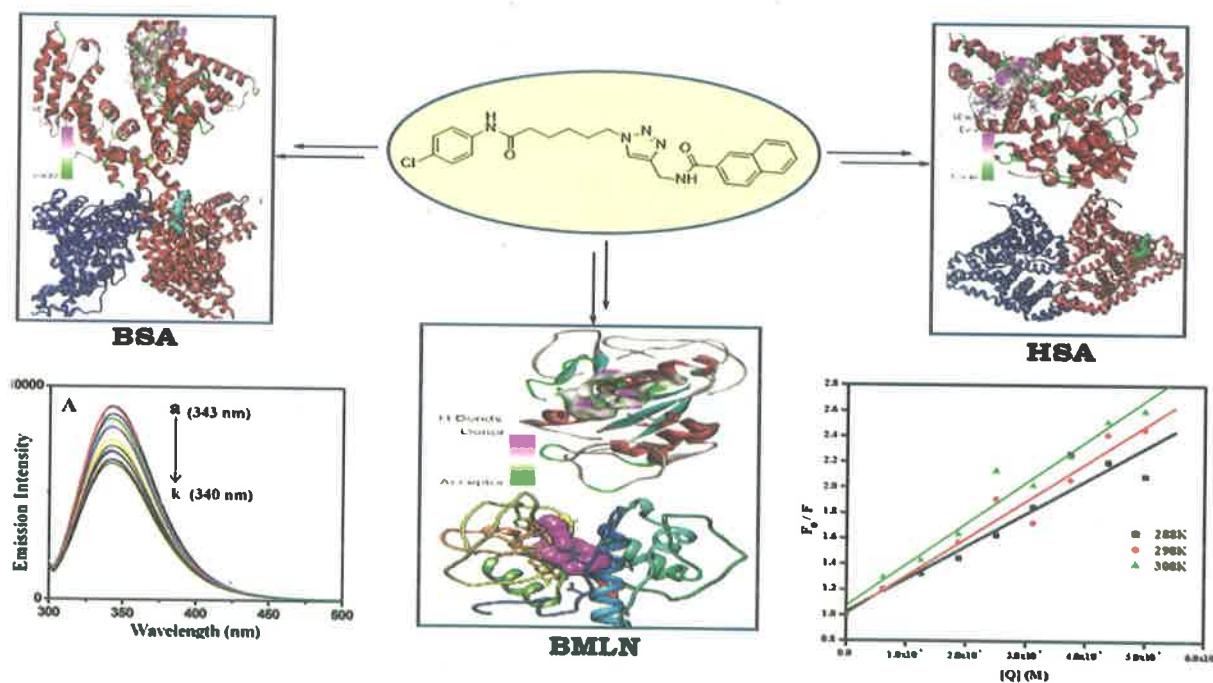
NUMBER 10

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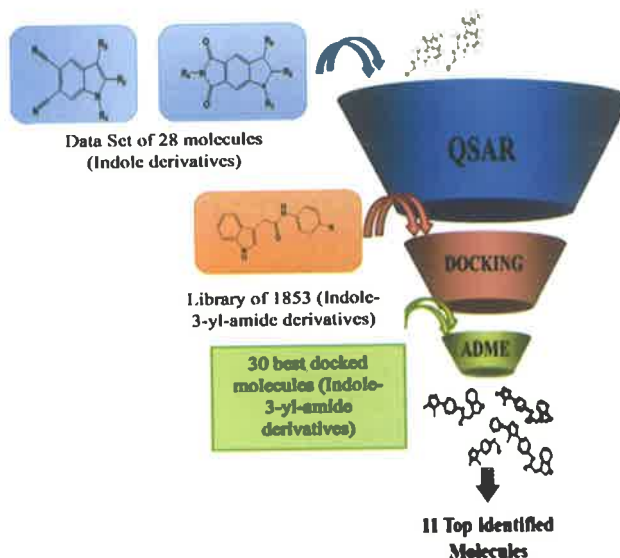
- 1001 De-Novo drug design of novel 1,2,3-triazole-naphthamide as an inhibitor of SARS-Cov-2 main protease: Synthesis, bioinformatics and biophysical studies



Sourav Misra, Sandip Paul, Sourav Pakrashi, Sayan Ghosh, Susmita Naskar, Pawan Kumar Maurya, Pinki Saha Sardar, Katta Venkateswarlu, Adity Bose & Anjoy Majhi\*

Department of Chemistry, Presidency University, 86/1 College Street, Kolkata 700 073, India

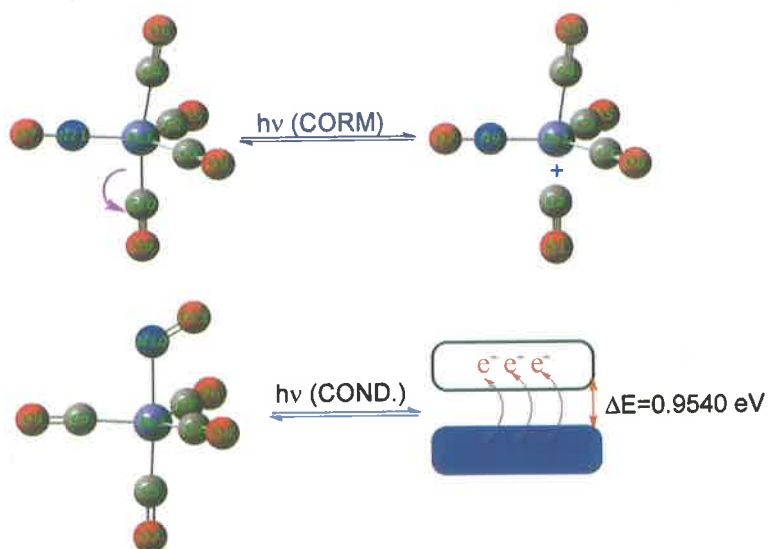
- 1012 3D-QSAR, molecular docking and ADME studies on indole analogues reveal antidepressant activity through monoamine oxidase-A inhibition



Alka Kumari, Harnoor Kaur, Priyanka Rana, Tanzeer Kaur, Poonam Arora & Neelima Dhingra\*

University Institute of Pharmaceutical Sciences, Panjab University Chandigarh 160 014, India

- 1030 Computational spectroscopic investigation of the effect of nitrosyl bonding type on molecular properties in iron tetracarbonyl nitrosyl complex

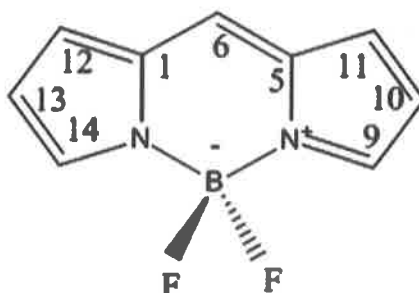


Özge Öztrakçı & Duran Karakaş\*

Cumhuriyet University, Science Faculty, Chemistry Department, 50140, Sivas, Turkey

1040 **Theoretical investigation of BODIPY based compounds as photosensitizers in photodynamic therapy**

In this work we studied the influence of substituting some atoms in BODIPY with metallic elements to improve the material function as photosensitizers in photodynamic therapy

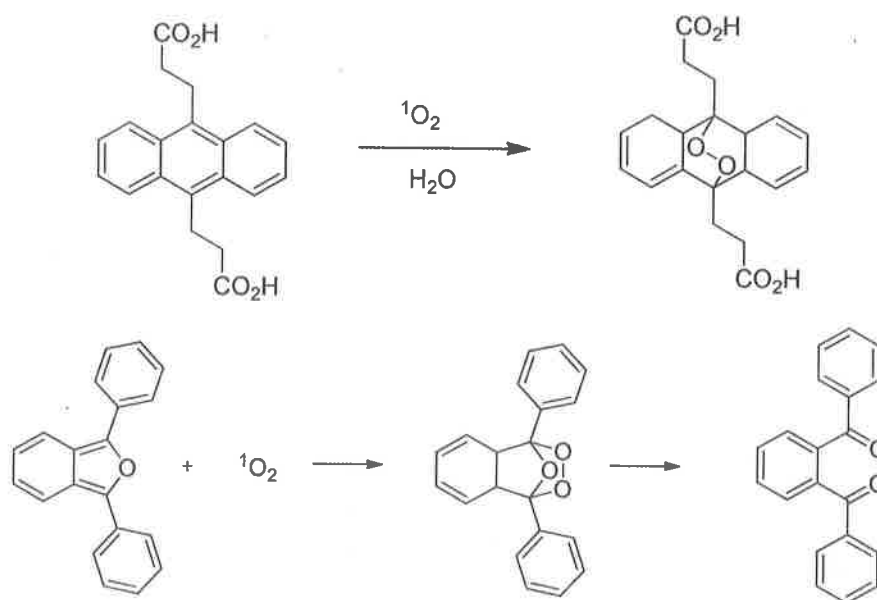


Molecular structure of the BODIPY dye and the related compounds

Buthaina Kamel, Wesam Bachir & Moustafa Sayem El-Daher\*

Higher Institute for Laser Research and Applications, Damascus University, Syria

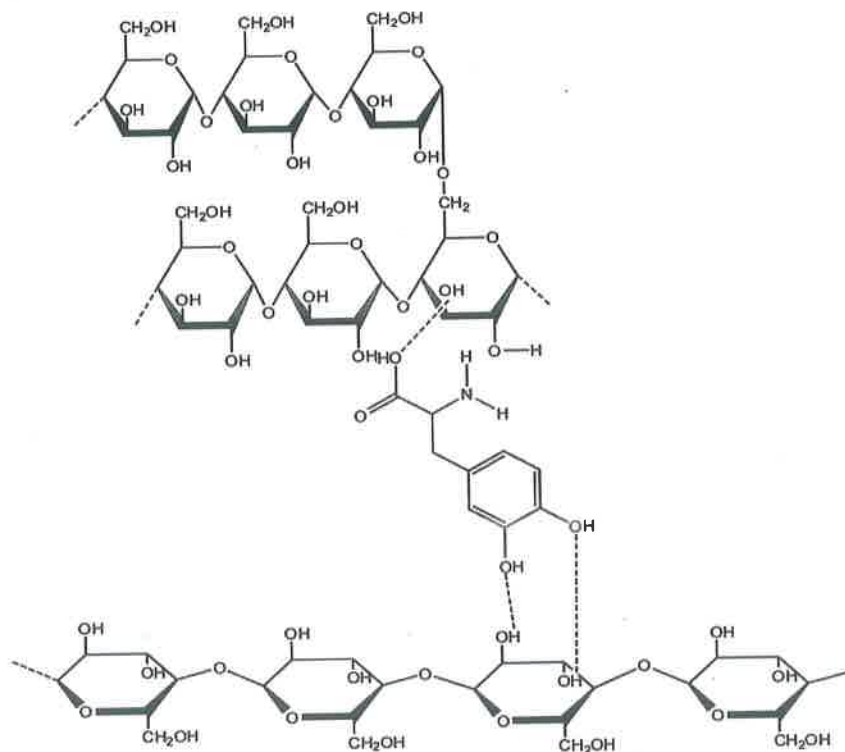
1047 **Photophysical and singlet oxygen generation studies of a few water soluble triazatriangulenium salts**



Sebastian Seena, Venugopal Karunakaran, S Dileesh & Narayanapillai Manoj\*

Department of Applied Chemistry and Inter University Centre for Nanomaterials and Devices, Cochin University of Science and Technology, Kochi 682 022, India

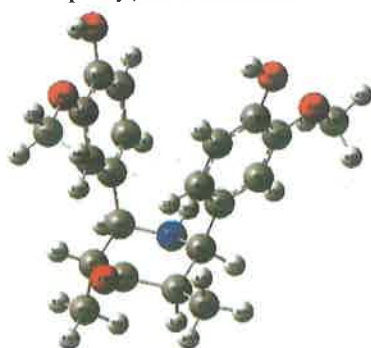
- 1056 Levodopa nanoencapsulation in nanostarch as anti-Parkinsonian drugs candidate



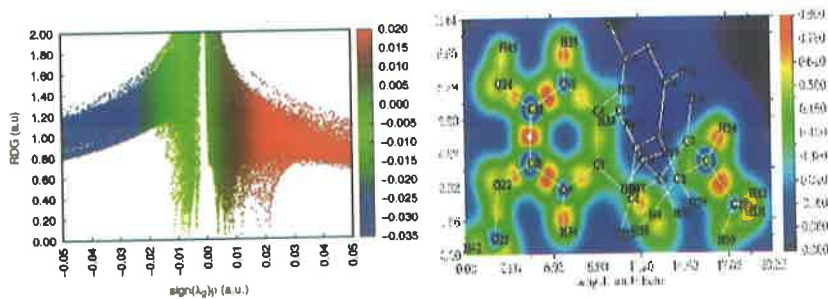
Ratnaningsih Eko Sardjono\*, Dhea Salsabila, Ramdhan Gunawan, Asep Kadarohman, Budiman Anwar, Vidi Afina Nuraini, Erdiwansyah, Rizalman Mamat, Fitri Dara & Melati Khairudean

Study Program of Chemistry, Department of Chemistry Education, Universitas Pendidikan Indonesia, Setiabudi 22 Bandung 40154 Indonesia

- 1061 Synthesis, characterisation, *in silico* molecular docking and DFT studies of 2,6-bis(4-hydroxy-3-methoxyphenyl)-3,5-dimethylpiperidin-4-one



3D structure of BHMD



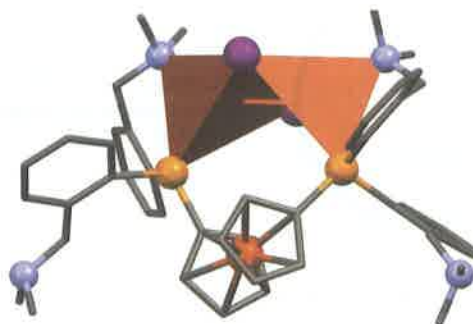
Non covalent interaction

Topology analysis

J Gershom Stuart & J Winfred Jebaraj\*

Department of Chemistry, St. John's College, Palayamkottai 627 002, Tamil Nadu, India  
(Affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli 627 012, Tamil Nadu, India)

- 1081 **Synthesis, structural characterization and Hirshfeld surface analysis of copper(I) complexes containing hemilabile-ferrocenylbisphosphine**  $[\text{Fe}\{\text{C}_5\text{H}_4\text{P}(\text{C}_6\text{H}_4\text{CH}_2\text{NMe}_2\text{-}o)\}_2]_2$  (1) with  $\text{CuX}$  ( $\text{X} = \text{Cl}$  and  $\text{I}$ ).

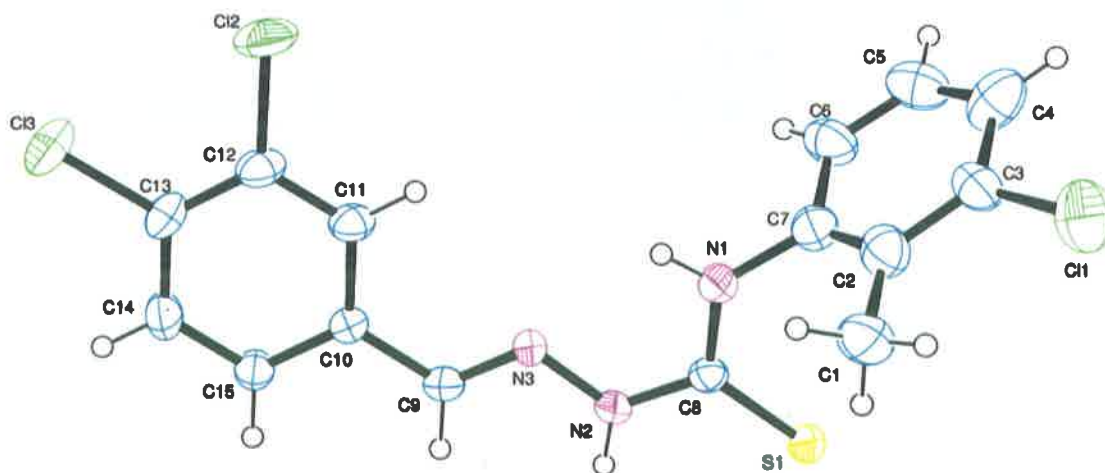


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Dipanjan Mondal, Sowmya Rao, Joel T Mague & Maravanji S Balakrishna\*

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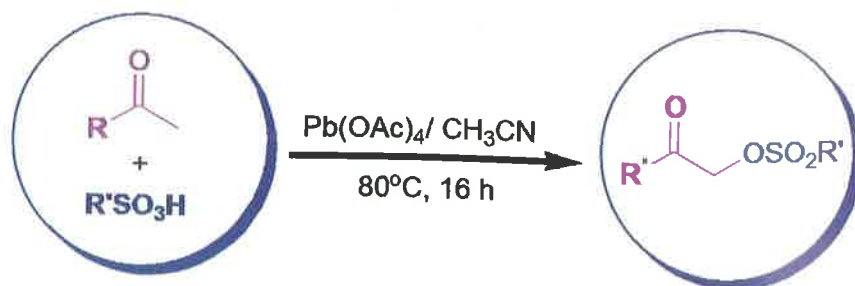
- 1091 **Synthesis, spectroscopic characterizations, and comparison of experimental, and theoretical results of N-(3-chloro-2-methylphenyl)-2-(3,4-dichlorobenzyl-ene)-hiosemicarbazone**



Hakan Bülbül\*, Şehriman Atalay & Aliye Gediz Ertürk

Department of Physics, Faculty of Science and Arts, OndokuzMayıs University, 55200-Atakum-Samsun, Turkey

- 1103 **Oxidative  $\alpha$ -sulfonyloxylation of aryl ketones with sulfonic acids by lead tetraacetate** A new synthetic approach has been developed for the preparation of  $\alpha$ -sulfonyloxyketones by the oxidative transformation of ketones with sulfonic acids in the presence of lead tetraacetate.



Kmendashisha Wanniang, Tyrchain Mitre Lipon, Ibakyntiew D Marpna, O Risuklang Shangpliang, Bekington Myrboh & R L Nongkhlaw\*

Department of Chemistry, North-Eastern Hill University, Shillong 793 022, Meghalaya, India

- 1108 **Biological activity of benzopyran derivatives against some microorganisms**



I G Mamedov\*, V R Isrefilova, Y V Mamedova & E I Mamedov

Baku State University, Faculty of Chemistry, Z. Khalilov 23, Baku, Azerbaijan

- 1114 **Additions and Corrections**

Authors for correspondence are indicated by (\*)