

## Recent Publications

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------|
| 1  | Regioselective synthesis of 1-allyl- and 1-arylmethyl uracil and thymine derivatives.                                                                                                   | V. Malik, P. Singh & <b>Subodh Kumar</b>               | Tetrahedron, <b>2005</b> , <b>61</b> , 4009.                          |
| 2  | Indium Reagents in Heterocyclic Chemistry                                                                                                                                               | <b>Subodh Kumar</b> , P. Kaur & V. Kumar               | Current Org. Chem. <b>2005</b> , <b>9</b> , 1203-1235.                |
| 3  | Syntheses, Structures and interactions of Heterocalixarenes                                                                                                                             | <b>Subodh Kumar</b> , D. Paul & H. Singh               | Advances in Heterocyclic Chemistry, <b>2005</b> , <b>89</b> , 67-125. |
| 4  | A practicable and pliable synthetic strategy for heterocalixarenes and related receptors through heterocyclic transformations.                                                          | <b>Subodh Kumar</b> , P. Singh & H. Singh              | Natl. Acad. Sci. Lett., <b>2005</b> , <b>28</b> , 71.                 |
| 5  | Regio- and Stereochemical Aspects in syntheses of 2-allyl derivatives of glycolic, mandelic and lactic acids and their iodocyclisations to 3-hydroxyfuran-2(5H)-ones.                   | P. Kaur, P. Singh & <b>Subodh Kumar</b>                | Tetrahedron <b>2005</b> , <b>61</b> , 8231.                           |
| 6  | A unique "ON-OFF-ON" switch with two perturbations at two different concentrations of Ag <sup>+</sup>                                                                                   | P. Singh & <b>Subodh Kumar</b>                         | Tetrahedron letters, <b>2006</b> , <b>47</b> , 109-112.               |
| 7  | <i>De-novo</i> approach for a unique spiro skeleton-1,7-dioxa-2,6-dioxospiro[4.4]nonanes                                                                                                | P. Singh, Anu, P. Kaur, <b>Subodh Kumar</b>            | Tetrahedron <b>2006</b> , <b>62</b> , 1063-1068.                      |
| 8  | An Account on "Syntheses, Structures and Interactions of Heterocalixarenes",                                                                                                            | <b>Subodh Kumar</b> , D. Paul & Harjit Singh           | ARKIVOC, 2006 (ix), 17 – 25.                                          |
| 9  | Regio- and stereochemical aspects in Synthesis of homoallylic alcohols from benzoins and their iodocyclisations to 2,3-diphenyltetrahydrofurans                                         | <b>Subodh Kumar</b> , P. Kaur, Anu & P. Singh          | Tetrahedron <b>2006</b> , <b>62</b> , 4018.                           |
| 10 | 2,3-Diphenyltetrahydrofuran (DPTF) – A new class of stereogenic diaryl heterocycles as potential COX-2 inhibitors – The computational evaluation of COX-2 – DPTF binding behaviour.     | P. Singh, P. Kaur, Anu & <b>Subodh Kumar</b>           | Ind. J. Chem. <b>2006</b> , 0000.                                     |
| 11 | Nature of 1-(2-aminoethylamino)-anthracene-9,10-diones - Cu(II) interactions responsible for striking colour changes                                                                    | <b>Subodh Kumar</b> & Navneet Kaur                     | Supramolecular Chemistry <b>2006</b> , <b>18</b> , 137.               |
| 12 | Colorimetric recognition of Cu(II) by (2-dimethylaminoethyl)-amino appended anthracene-9,10-diones in aqueous solutions – Deprotonation of aryl amine NH responsible for colour changes | Navneet Kaur & <b>Subodh Kumar</b>                     | Dalton Trans. <b>2006</b> , 3766.                                     |
| 13 | Unique chlorine effect in regioselective one-pot synthesis of 1-alkyl- /allyl- / benzyl-3-(o-chlorobenzyl)uracils: Anti-HIV activity of some selected compounds                         | Vaishalli Malik, Palwinder Singh & <b>Subodh Kumar</b> | Tetrahedron, <b>2006</b> , <b>62</b> , 5944.                          |

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| 14 | Three different fluorescent responses to transition metal ions using receptors based on 1,2-bis and 1,2,4,5-tetrakis-(8-hydroxyquinolinoxymethyl)benzene. | Prabhpreet Singh &<br><b>Subodh Kumar</b>                                      | Tetrahedron,<br><b>2006</b> , <b>62</b> ,<br>6379.           |
| 15 | A diamide - diamine based Cu <sup>2+</sup> chromogenic sensor for highly selective visual and spectrophotometric detection.                               | Navneet Kaur &<br><b>Subodh Kumar</b>                                          | Tetrahedron<br>Letters<br><b>2006</b> , <b>47</b> ,<br>4109. |
| 16 | ZrCl <sub>4</sub> catalyzed highly selective and efficient Michael addition of heterocyclic enamines with $\alpha,\beta$ -unsaturated olefins.            | Vijay Kumar,<br>Sukhdeep Kaur &<br><b>Subodh Kumar</b>                         | Tetrahedron<br>Letters<br>2006, <b>47</b> ,<br>7001          |
| 17 | Potentiometric performance of 2-aminothiophenol based dipodal ionophore as a silver sensing material                                                      | S.K. Mittal, A.S.K.<br>Kumar, S. Kaur &<br><b>Subodh Kumar</b>                 | Sensors and<br>Accutators,<br><b>2006</b>                    |
| 18 | Photonic logic gates based on metal ion and proton induced multiple outputs in 5-chloro-8-hydroxyquinoline based tetrapod.                                | Prabhpreet Singh &<br><b>Subodh Kumar</b>                                      | New J.<br>Chem.<br><b>2006</b> ,                             |
| 19 | 8-Hydroxyquinoline based multipodal systems: effect of spatial placement of 8-hydroxyquinoline on metal ion recognition                                   | Prabhpreet Singh &<br><b>Subodh Kumar</b>                                      | J. Inclu.<br>Phenom. &<br>Macrocy.<br>Chem. <b>2006</b>      |
| 20 | A simple synthesis of di(uracilyl)aryl methanes and 1, $\omega$ -bis[di(uracilyl)methyl]benzenes.                                                         | <b>Subodh Kumar</b> ,<br>Vaishalli Malik,<br>Navneet Kaur & Kuljit<br>Kaur     | Tetrahedron<br>Letters<br><b>2006</b> , <b>47</b> ,<br>8483. |
| 21 | 5-Substituted-2,3-diphenyltetrahydrofurans: A new class of moderately selective COX-2 inhibitors                                                          | Palwinder Singh, Anu<br>Mittal, Satwinderjit<br>Kaur & <b>Subodh<br/>Kumar</b> | Bioorg. Med.<br>Chem. <b>2006</b> ,<br>14, 7910-<br>7916.    |