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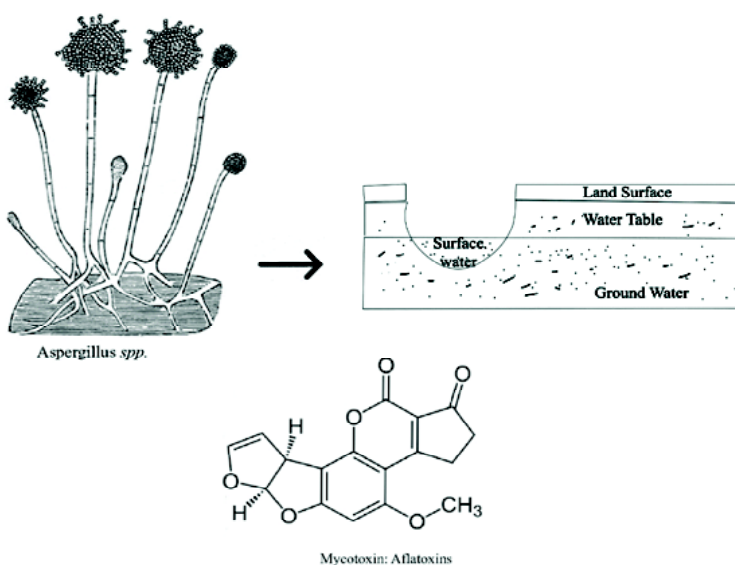
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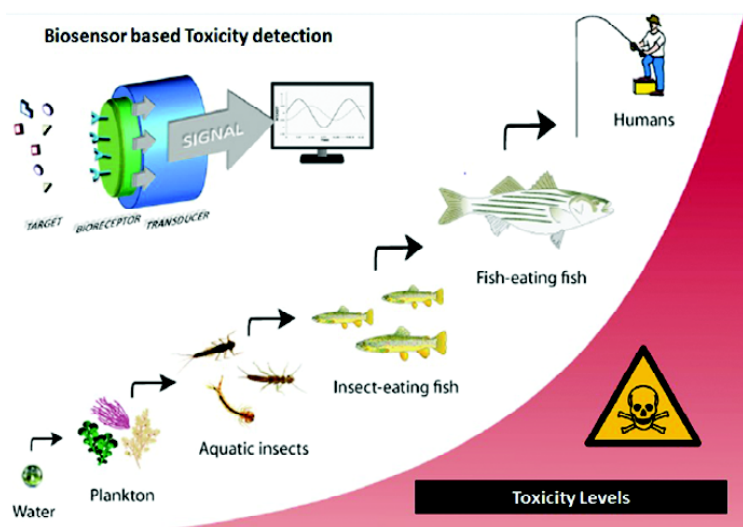


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#### Biosensors: An effective toxicity biomonitoring tool

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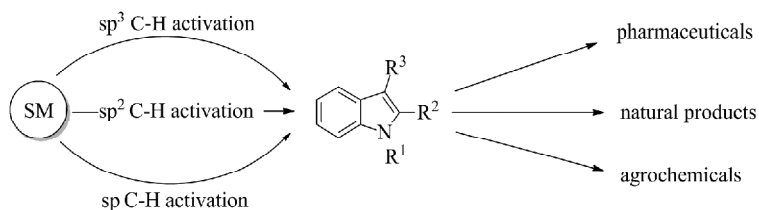
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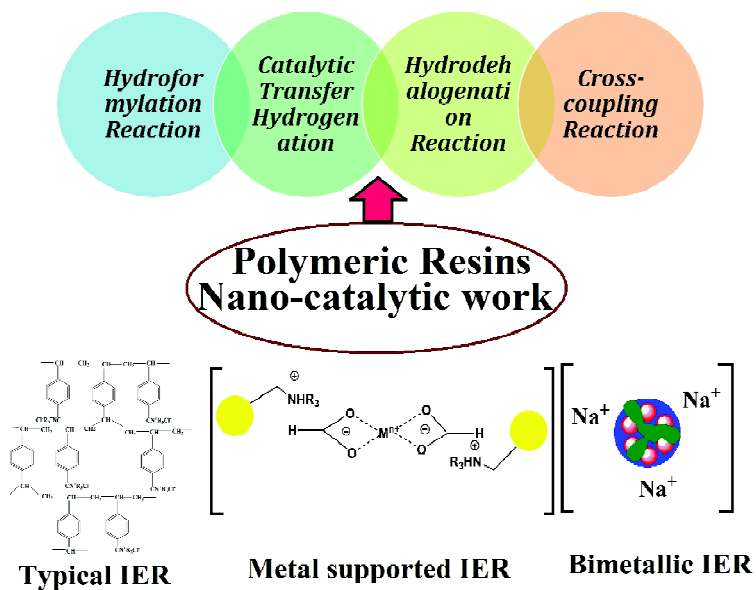
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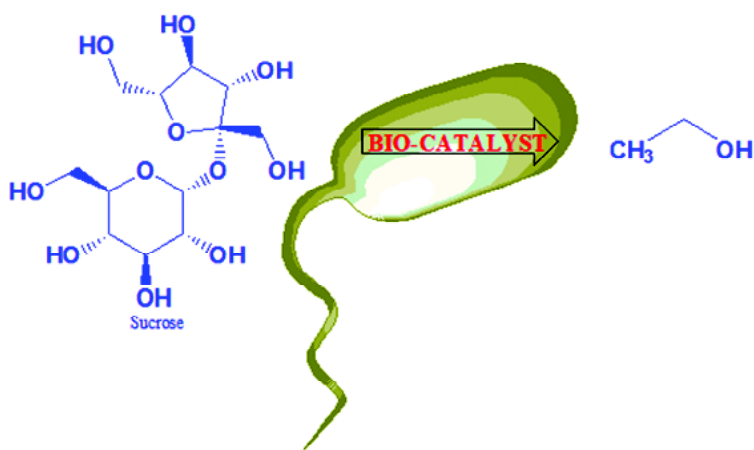
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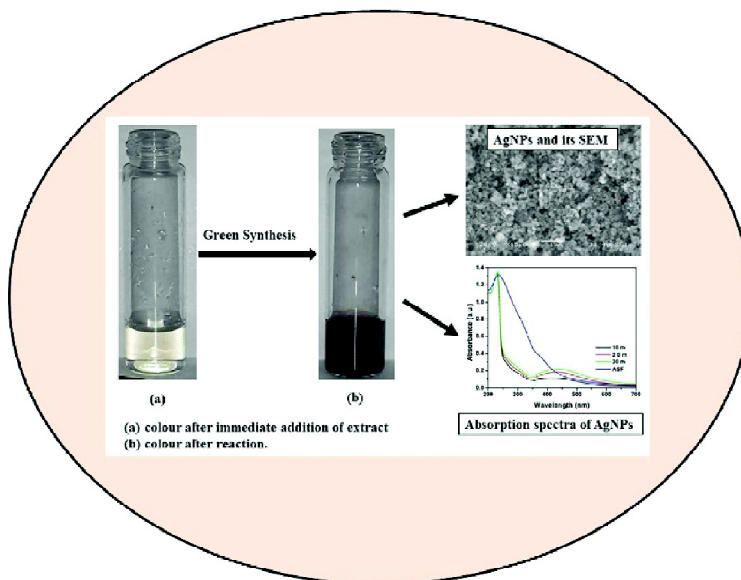
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### *In vitro* antimicrobial activity of silver nanoparticle synthesized using *Aster squamatus* flower extract against selected pathogenic microbial

Abul Kalam, Abdullah G. Al-Sehemi, Sulaiman A. Alrumman, Mohammad A. Assiri, Adulkhaleq M. Alfaify, Mahmoud F. Moustafa and Hussain Almalki

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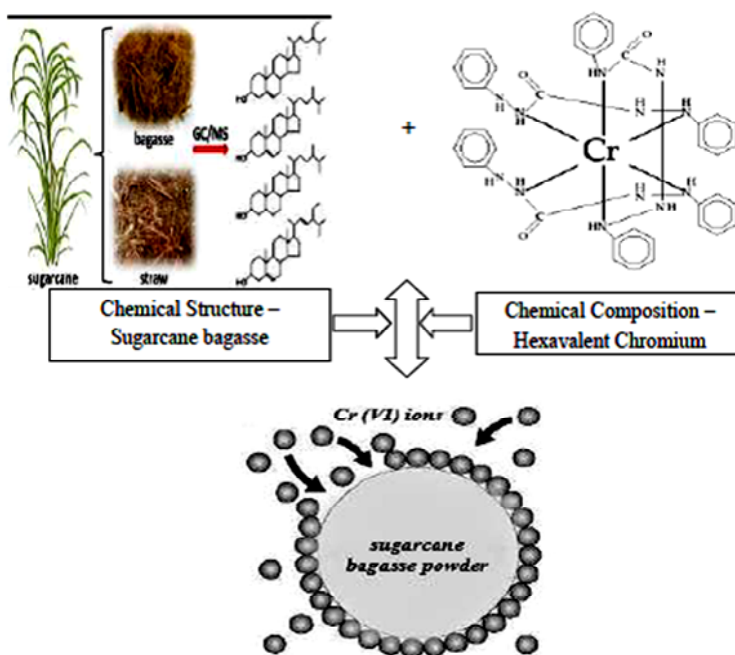


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### Removal of hexavalent chromium concentration from the aqueous solution using chemically treated sugarcane bagasse powder

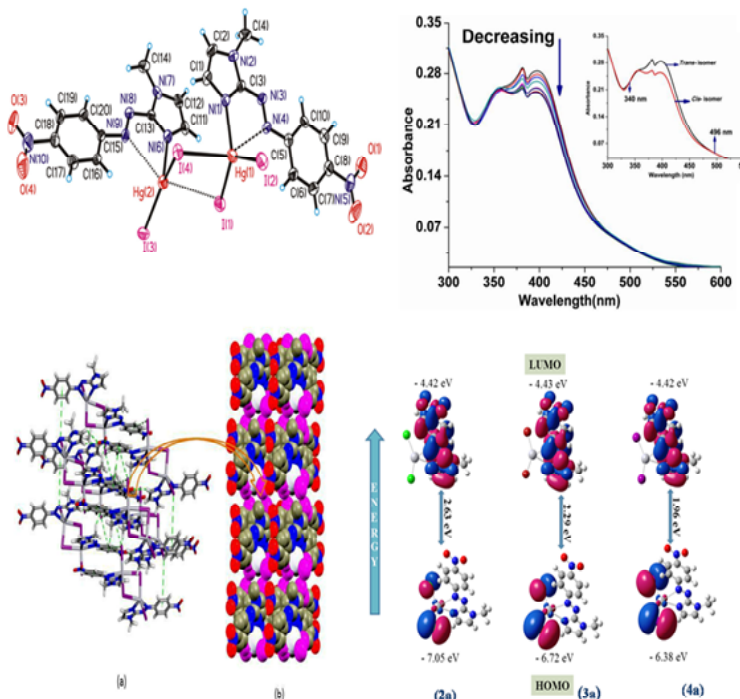
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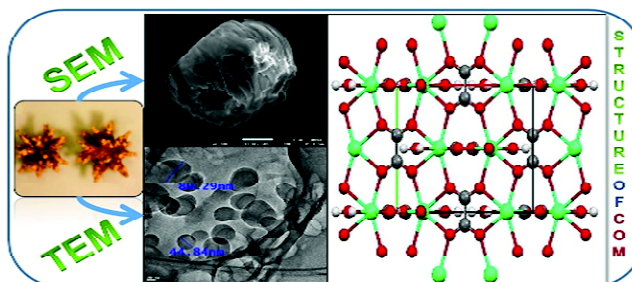
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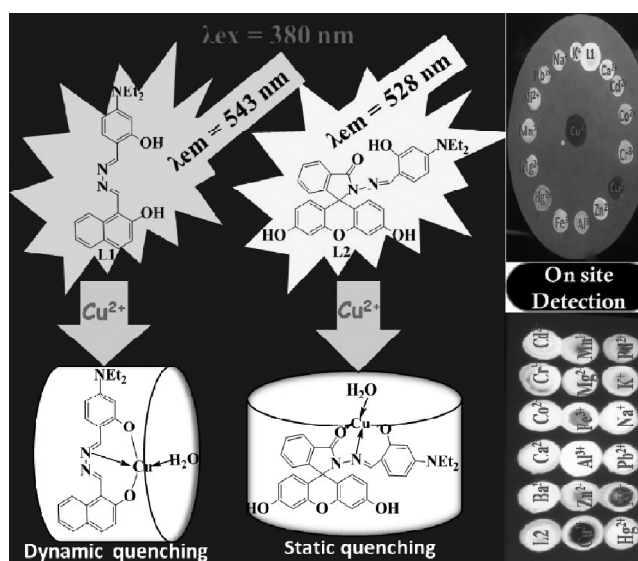
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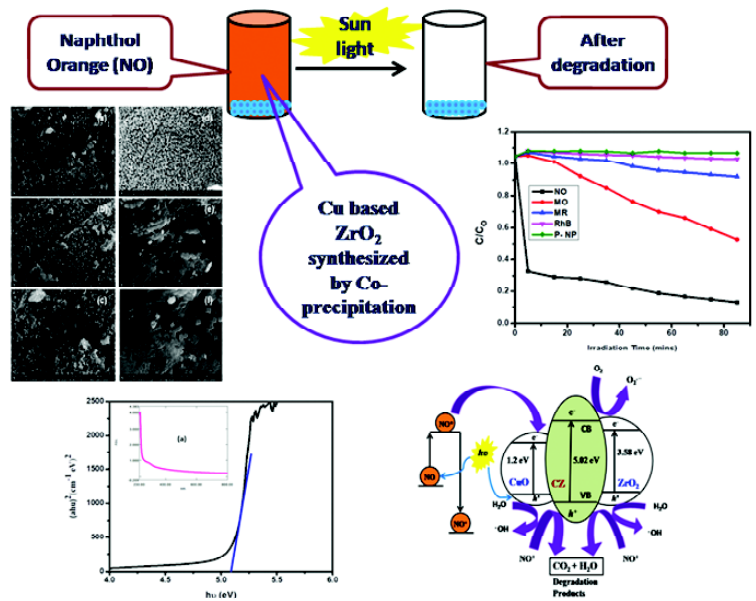
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Mithun Kumar Ghosh, Sanjay Kumar Sahu, Debasis Sahoo and Tanmay Kumar Ghorai

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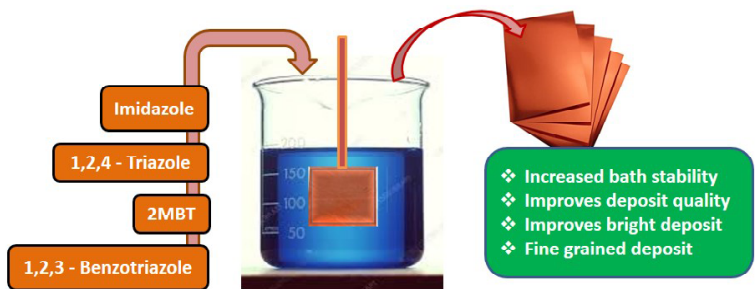


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**Studies of role of additives on electroless copper methane sulphonate an eco-friendly green bath**

S. Jothilakshmi, T. Manikanda Kumaran and S. Rekha

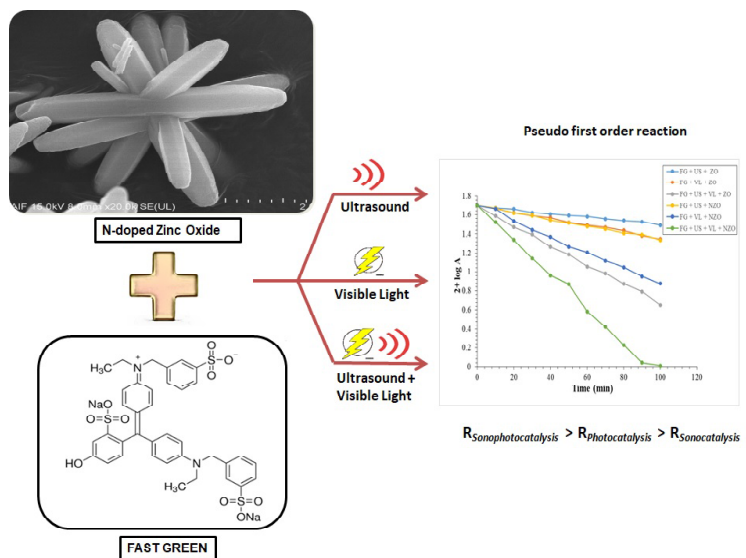
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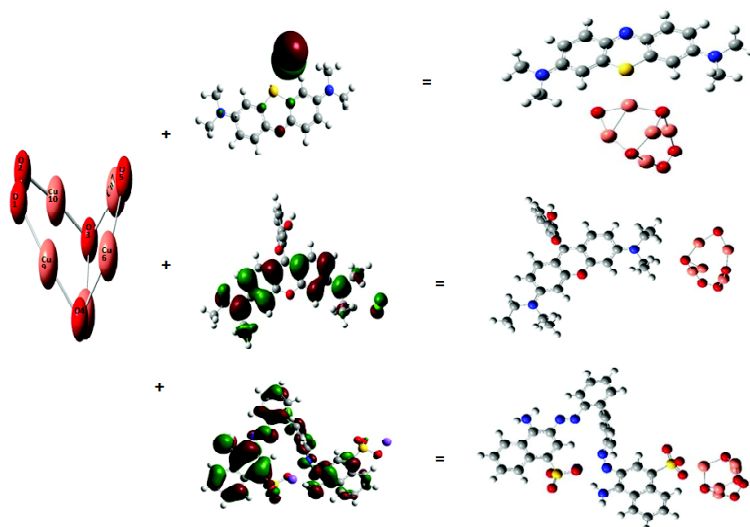


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**In silico studies to understand the adsorbent properties of CuO nano-clusters for toxic water soluble dyes**

Suneel Kumar Dandabattina, Baswanth Oruganti, Kaleswararao Thaticharla, Anik Sen and Suryakala Duvvuri

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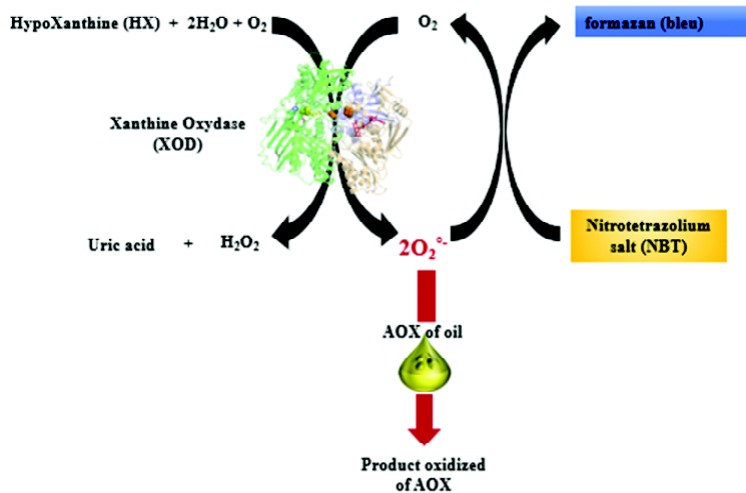
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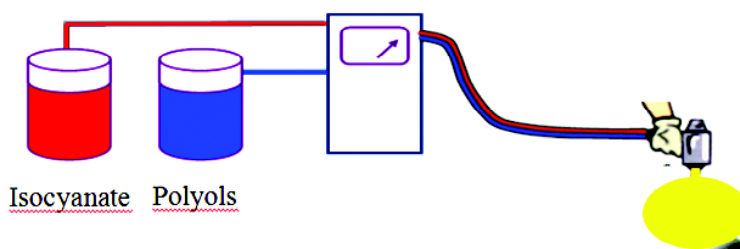
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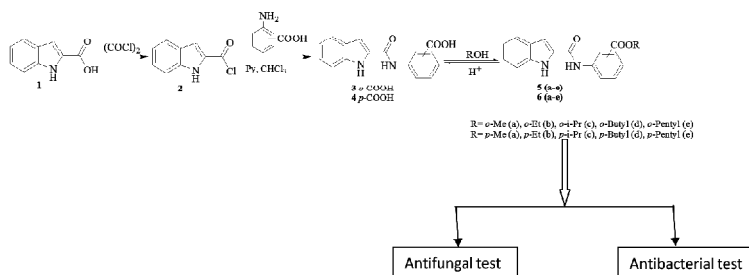
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**Synthesis, characterization and antimicrobial evaluation of some new substituted 1H-indole-2 carboxamide derivatives**

Kamal A. Sweidan, Ala'a M. Al-Shamaileha, Mohammad K. Abu Sini and Rajendra Joshi

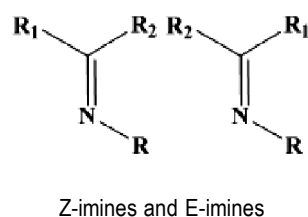
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Aparna Das, Amirah Abdulrahim Alqashqari and Bimal Krishna Banik

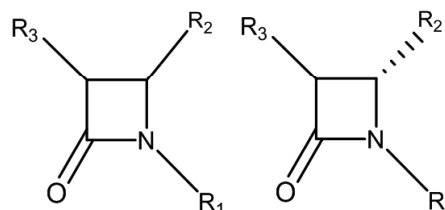
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Aparna Das and Bimal Krishna Banik

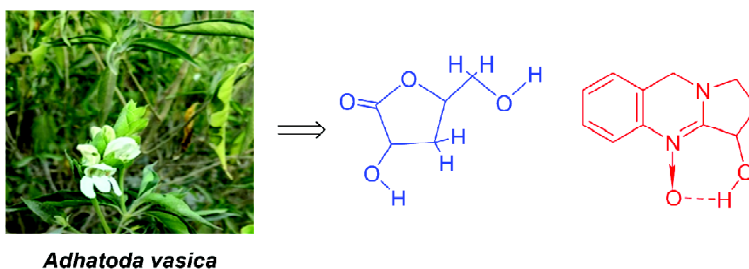
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**Isolation of pentonic acid-3-deoxy-4-lactone and peganine-N-oxide from *Adhatoda vasica***

Ravindra Singh Rao and Poonam Khandelwal

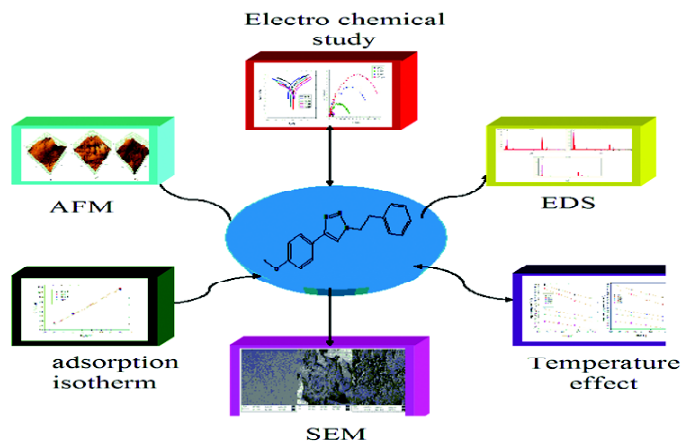
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**1,2,3-Triazole derivative as a potential protector for mild steel corrosion in acid media: A kinetic and thermodynamic approach**

K. Vijayalakshmi and J. Elangovan

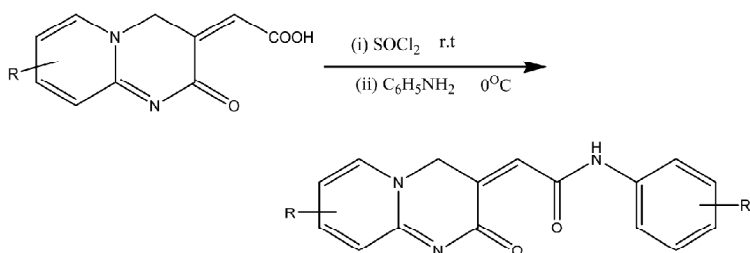
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**Synthesis, characterization and molecular docking of N-aryl amides of pyrido[1,2-a]pyrimidin-2-ones as potential antibacterial agents**

Sharulatha Venugopal, Abinaya Anbazhagan, M. Rajeswari and Sivakamasundari Sundaram

pp. 1584-1589

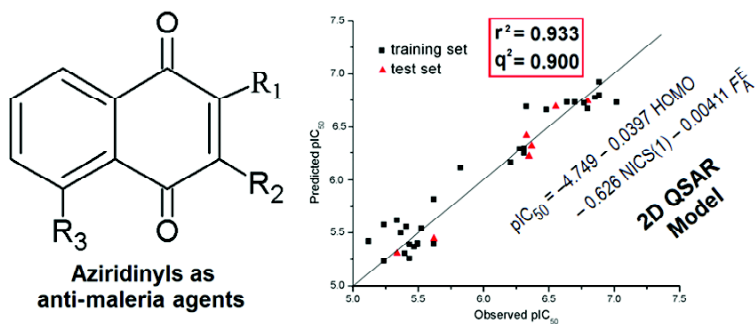


R = H, 3-Me and 5-Me; R<sub>1</sub> = aniline, *p*-toluidine, *p*-chloroaniline, *p*-anisidine, 2,3-dimethoxy aniline and benzylamine

**DFT based QSAR studies on 2-aziridinyl and 2,3-bis(aziridinyl)-1,4-naphthoquinonyl sulfonate and acylate derivatives as an anti-malarial agent**

Ananda Sarkar, Bikash Kumar Sarkar and Atish Dipankar Jana

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2D QSAR model based on HOMO, NICS(1) and electrophilic group frontier electron density for aziridinyls as anti-malaria agents

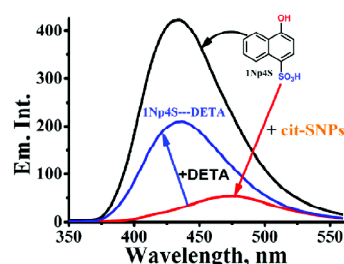


## Analytical Chemistry

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Subanti Das, Shaktibrata Roy, Nishithendu Bikash Nandi, Shamim Ahmed Khan, Mounita Majumdar and Tarun Kumar Misra

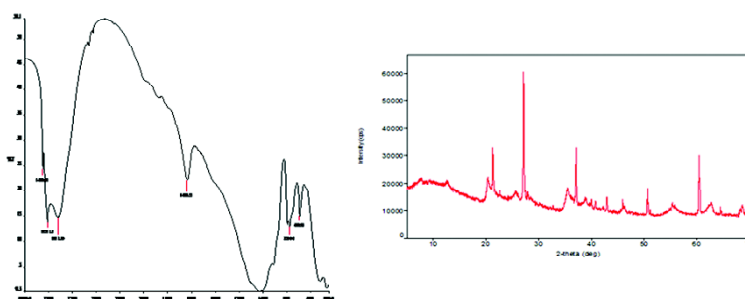
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### Powdered X-ray diffraction, FTIR, TGA and DTA studies of montmorillonite derivatives

Sourav Majumder, Ashok Kr. Jha and Kamlesh Kumar Mishra

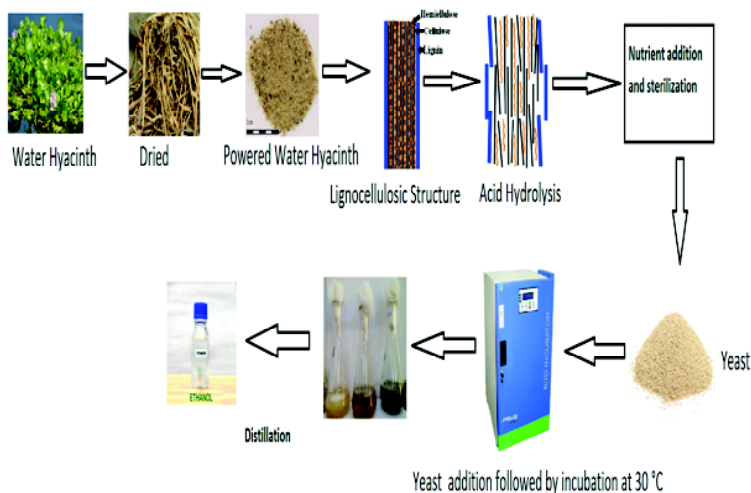
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### Effect of some micronutrients on the production of bioethanol from water hyacinth by *Saccharomyces cerevisiae* AB<sub>810</sub>

Biswanath Biswas, Ajit Kumar Banik and Asit Baran Biswas

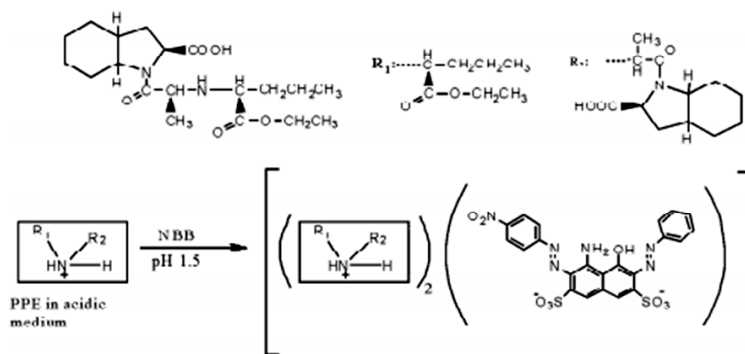
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T. Manikya Sastry and K. Rama Krishna

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