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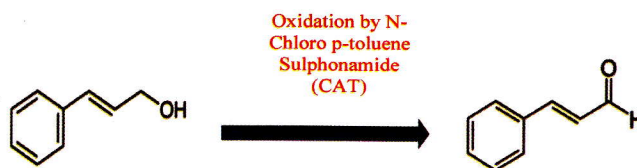
NUMBER 8

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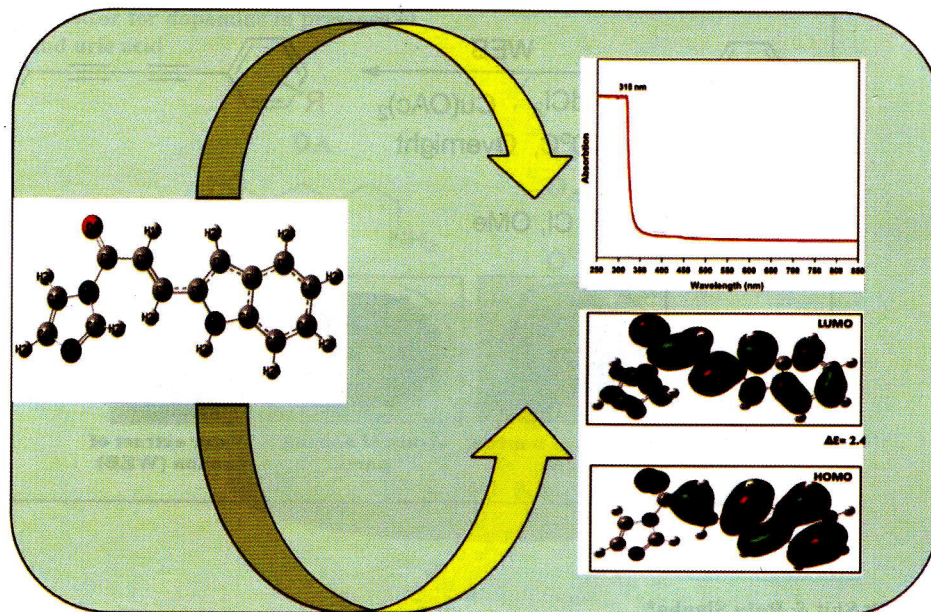
- 803 Kinetics and mechanism of oxidation of cinnamyl alcohol by N-chloro *p*-toluene sulphonamide (Chloramine-T) in acid perchlorate medium



Anita Meena

Department of Chemistry, Jai Narain Vyas University, Jodhpur 342 011, India

- 808 Quantum chemical and third order nonlinear optical investigation of (E)-1-(1*H*-imidazol-1-yl)-3-(1*H*-indol-2-yl)prop-2-en-1-one

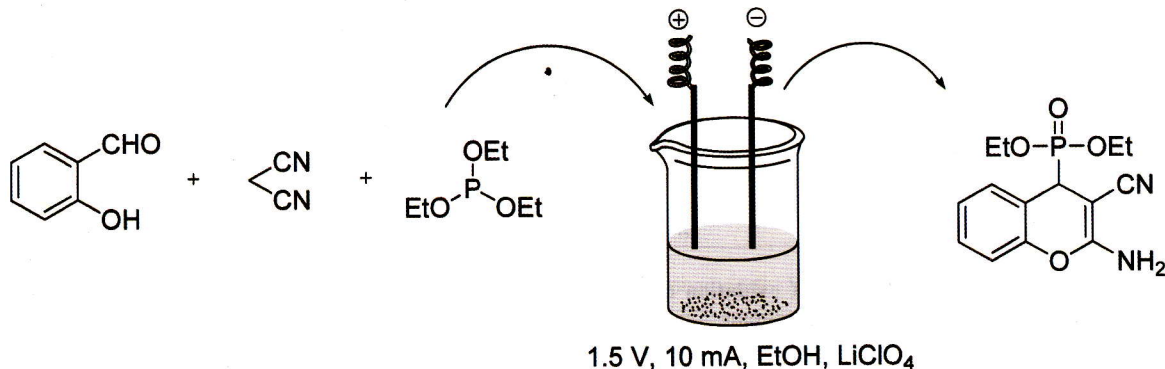


G Arjunan, R Karunathan, R Raj Muhamed & V Sathyanarayanamoorthi*

Department of Physics, PSG College of Arts And Science, Coimbatore 641 014, India

816 **Electrochemically induced efficient, simple, non-catalytic synthesis of β -phosphonomalonates via multicomponent reaction**

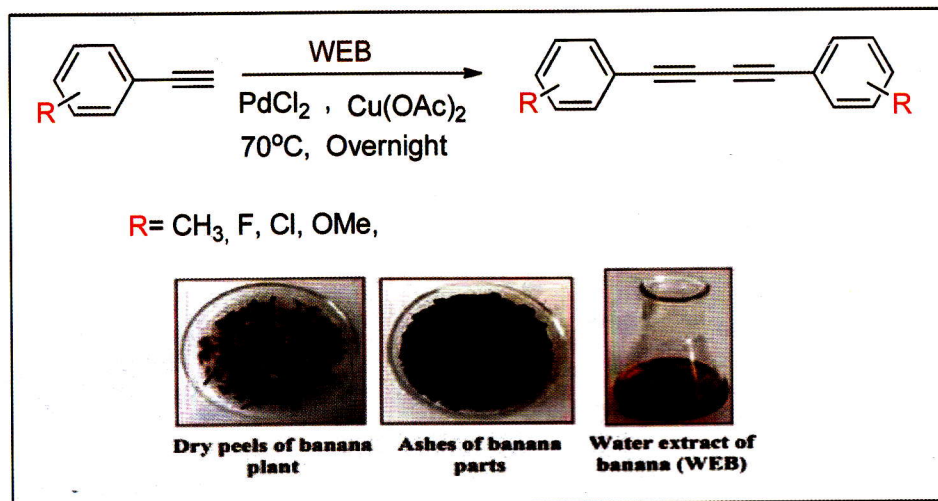
Electrochemically induced efficient and economical method has been developed for synthesis of β -phosphono malonitriles via condensation of various aldehyde, malonitrile and phosphite esters at room temperature. The present protocol highlights cost efficient, one pot, easy work-up and environmentally benign process.



Vinay K Singh*, Phool Chandra, Shekhar Srivastava & Renu Singh

Green Synthesis Lab, D. N. P. G. College, Gulaothi, Bulandshahr 203 408, India
(An Affiliated College of C.C.S University Meerut)

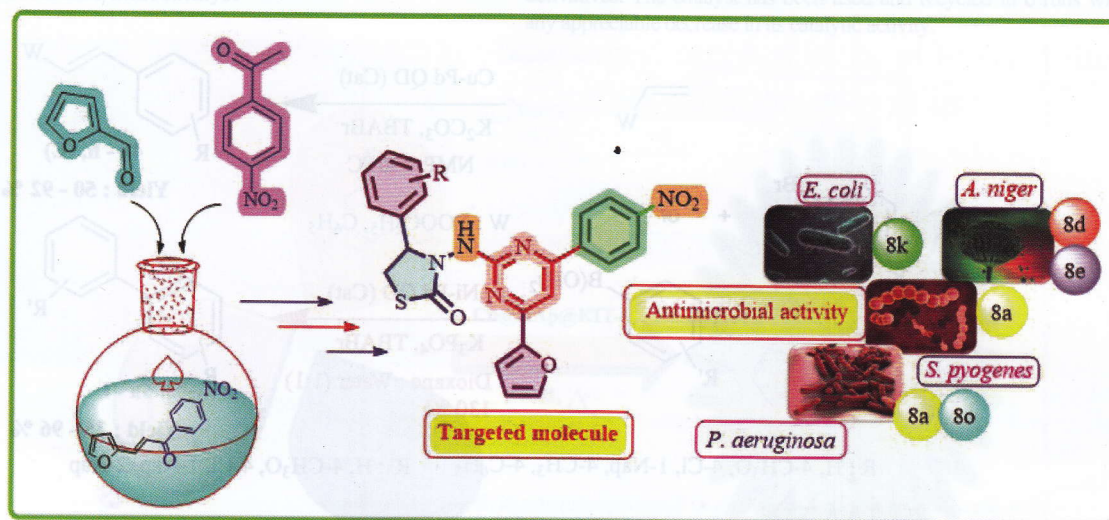
823 **A green protocol for the base, ligand, and phase transfer catalyst free coupling of terminal acetylenes in water**



Prasenjit Shit & Raju Singha*

Department of Chemistry, Panskura Banamali College (Autonomous), Panskura R. S.,
Purba Medinipur 721 152, West Bengal, India

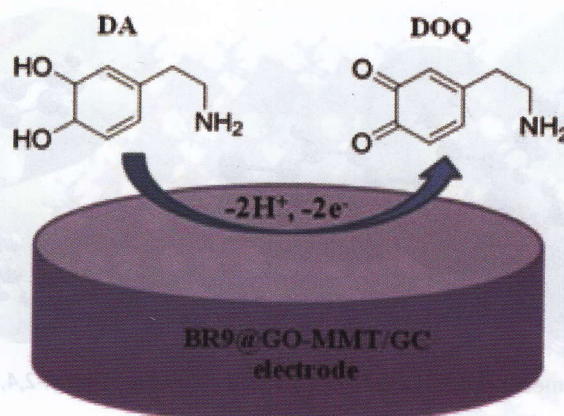
- 827 Design, synthesis and *in vitro* antimicrobial activity of furan-based pyrimidine-thiazolidinones as potential bioactive molecules



Nisheeth C Desai*, Aratiba M Jethawa & Jahnvi Monapara

Department of Chemistry, Division of Medicinal Chemistry, Mahatma Gandhi Campus, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar 364 002, Gujarat, India

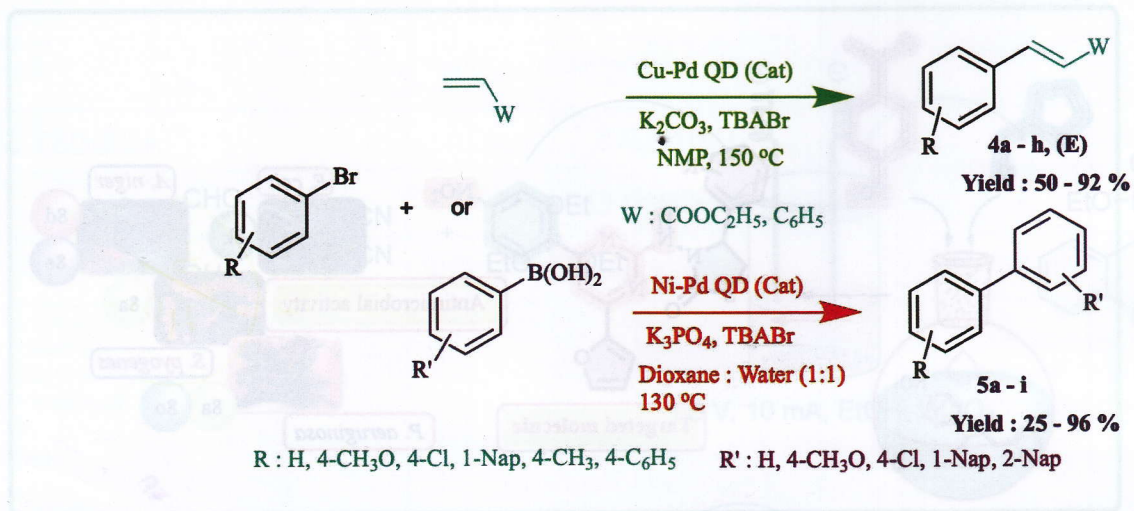
- 834 Basic Red 9 dye encapsulated graphene oxide-montmorillonite composite: Fluorescent and electrochemical sensor for dopamine in presence of ascorbic acid and uric acid



Sarojmoni Kalita & Diganta Kumar Das*

Department of Chemistry, Gauhati University, Guwahati 781 014, Assam, India

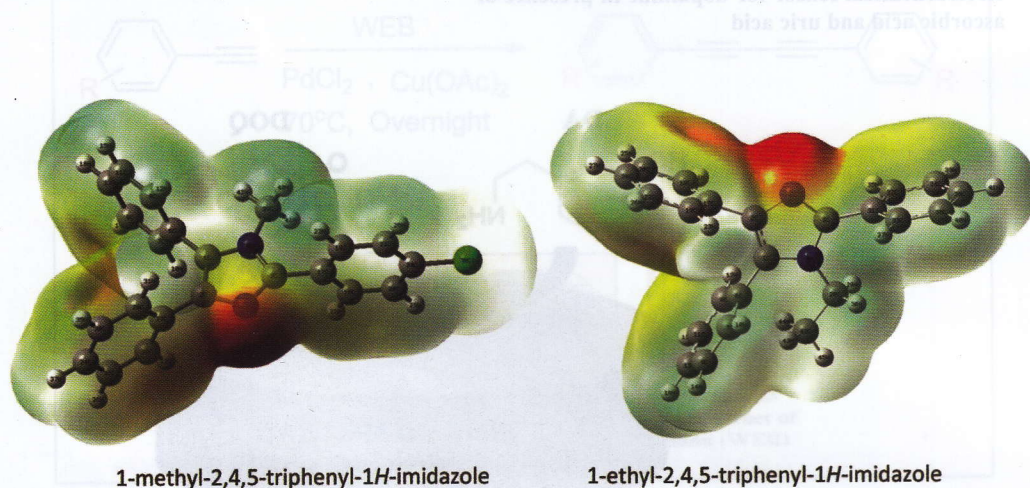
- 843 **Bimetallic quantum dots (Cu-Pd, Ni-Pd) catalyzed reaction of bromo arenes with alkenes and aryl boronic acids**



Pallavi K Raut, Heena K Meroliya, Swapnil R Dumbre, Vaishali N Patil, Bhanupratap S Solanki, Shobha A Waghmode* & Suresh Iyer*

Organic Chemistry Division, CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road, Pashan, Pune 411 008, Maharashtra, India

- 849 **Density functional theory study of indole and highly substituted imidazole derivatives using isodesmic reactions**

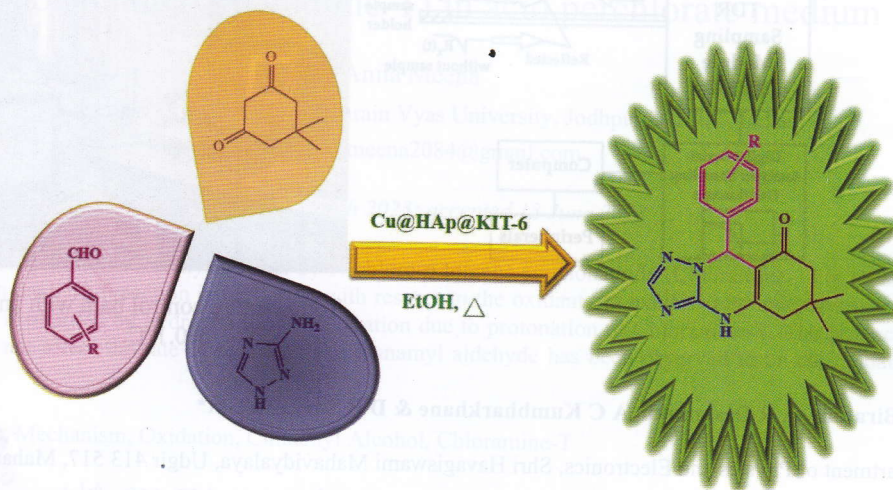


V Kannan*, M T Tintu & K Sreekumar

Department of Chemistry, Government College Kattappana 685 508, Kerala, India

- 856 **Convergent and efficient synthesis of 1,2,4-triazolo[5,1-*b*]quinazolin-8-ones using copper incorporated hydroxyapatite encapsulated Kit-6 as a recoverable nanocatalyst**

The copper incorporated hydroxyapatite encapsulated Kit-6 (Cu@HAp@KIT-6) have been prepared and successfully applied in the facile synthesis of a series of 1,2,4-triazolo[5,1-*b*]quinazolin-8-one derivatives. The catalyst has been used and recycled in 6 runs without any appreciable decrease in its catalytic activity.

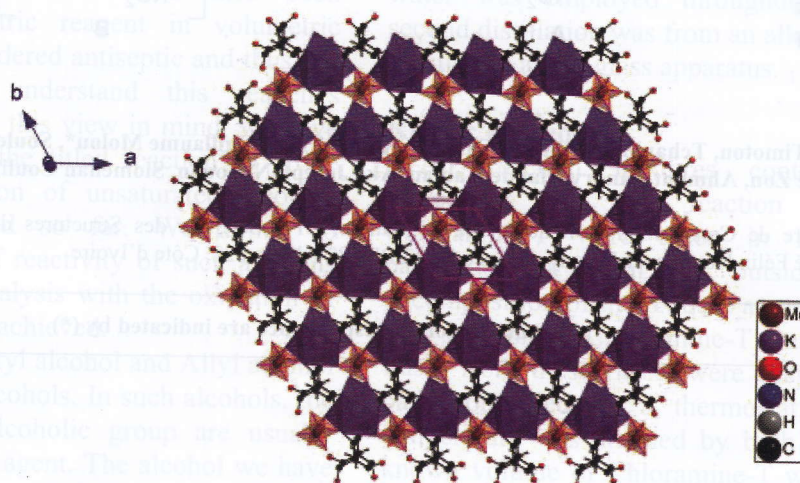


Dornaz Pirdelzende, Manouchehr Mamaghani*, Farhad Shirini & Mehdi Sheykhan

Department of Chemistry, Faculty of Sciences, University of Guilan, P.O. Box 41335-1914, Rasht, Iran

- 866 **Synthesis, structure characterization, and properties of a new heterometallic coordination polymer containing two μ_3 -bridging tridentate ligands**

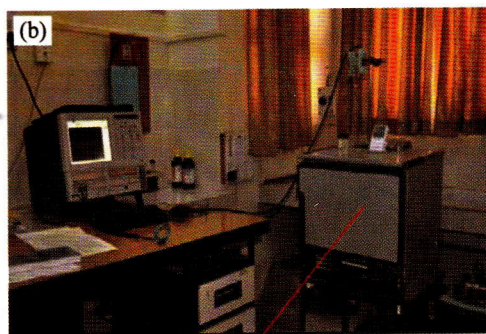
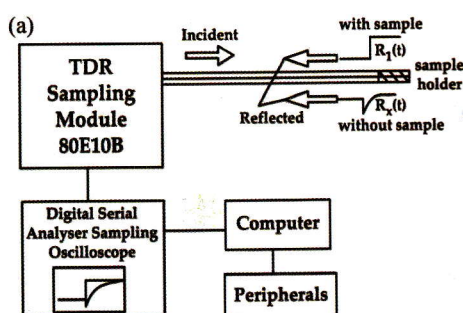
In the three-dimensional coordination polymer $[K(LH_2)(MoO_4)]$ 1 ($LH_2 = 1,3$ -dihydroxy-2-(hydroxymethyl)-propan-2-aminium), alternating $\{KO_6\}$ octahedra and $\{MoO_4\}$ tetrahedra are connected via corner-sharing resulting in a hexagonal array of $\{KO_6\}$ and $\{MoO_4\}$ polyhedra with enclosure of $(LH_2)^+$ ion in the cavity.



Sudesh M Morajkar, Bikshandarkoil R Srinivasan & Savita A Kundaikar*

School of Chemical Sciences, Goa University, Goa 403 206, India

- 872 Study of co-operative dynamics and thermo-dielectric parameters of *n*-butyl acetate-xylene solutions using dielectric spectroscopy

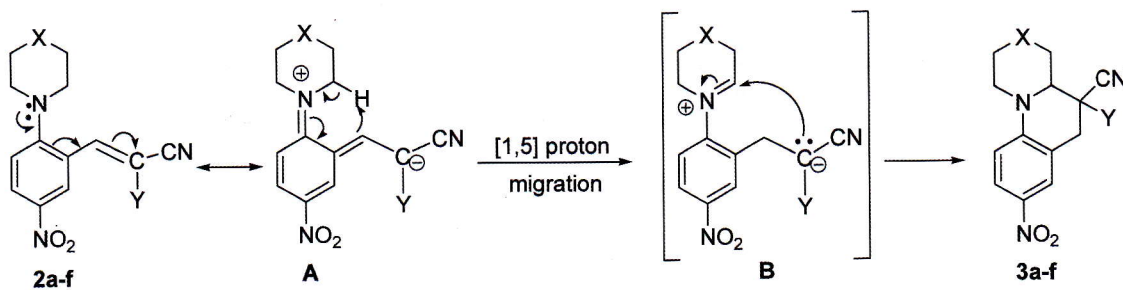


Temperature control bath with an accuracy of $\pm 0.1^\circ\text{C}$.

S S Birajdar, A R Deshmukh, A C Kumbharkhane & D B Suryawanshi*

Department of Physics and Electronics, Shri Havagiswami Mahavidyalaya, Udgir 413 517, Maharashtra, India

- 879 Design and synthesis of new tricyclic quinoline derivatives from intramolecular cyclization of benzylidene malonic derivatives



Adéyolé Timotou, Tchambaga Etienne Camara, Kouassi Yves Guillaume Molou*, Souleymane Coulibaly*, Doumadé Zon, Ahmont Landry Claude Kablan, Aka Joseph N'Gouan, Siomenan Coulibali & Ané Adjou

Laboratoire de Constitution et Réaction de la Matière, UFR Sciences des Structures de la Matière et Technologie, Université Félix Houphouët-Boigny de Cocody, 22 BP 582 Abidjan 22, Côte d'Ivoire

Authors for correspondence are indicated by (*)