

# Indian Journal of Chemistry

Sect. A: Inorganic, Bio-inorganic, Physical, Theoretical & Analytical

VOL. 58A

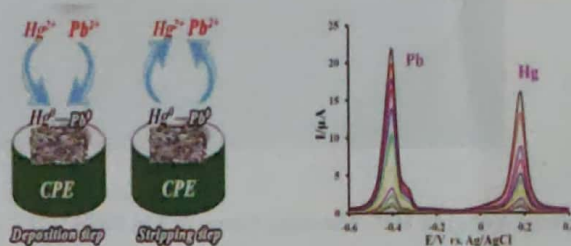
NUMBER 10

October 2019

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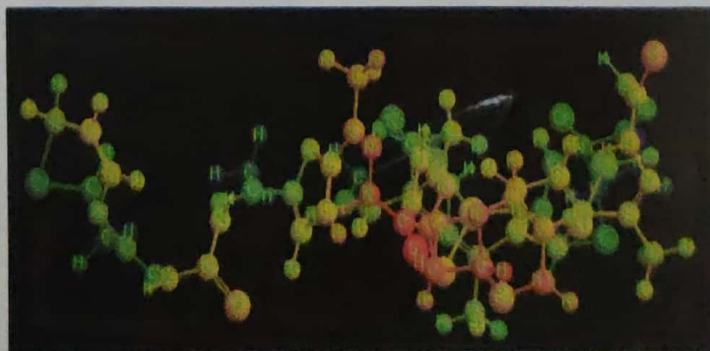
### Papers

- 1075 A novel electrochemical sensor based on  $\text{Co}_3\text{O}_4$ -A modified carbon paste electrode based on  $\text{Co}_3\text{O}_4$ - $\text{CeO}_2$ - $\text{ZnO}$  tri- $\text{CeO}_2$ - $\text{ZnO}$  multi metal oxide nanocomposite for metallic nanocomposites for individuals or simultaneous simultaneous detection of nanomolar  $\text{Pb}^{2+}$  and  $\text{Hg}^{2+}$  determination of  $\text{Pb}^{2+}$  and  $\text{Hg}^{2+}$  ion in aqueous solution, shows that two analytes have no interfere with each other and the stripping peak currents were proportional to the concentration of both analytes.



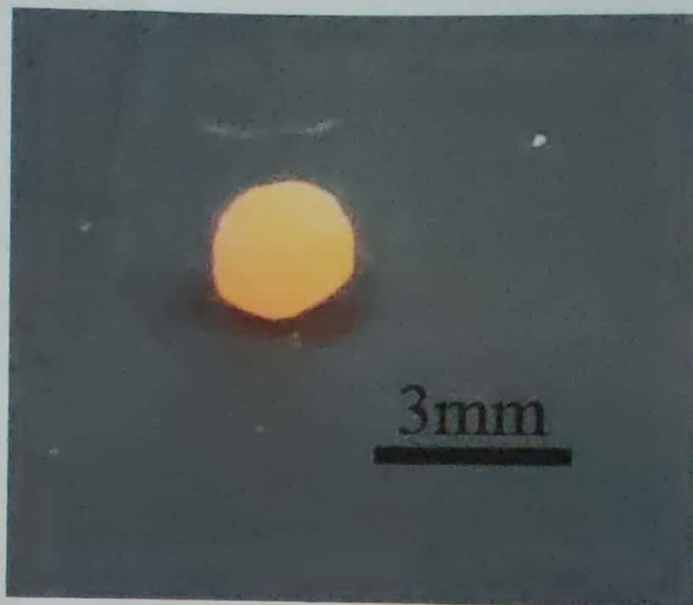
Shahnaz Davoudi, Mohammad Hadi Givianrad\*, Mohammad Saber-Tehrani & Parviz Aberoomand Azar

- 1085 Synthesis, structural characterization and biological aspects of divalent transition metal complexes derived from 2, 5 diacetyry furan and 2-thia-6-aza-bicyclo [4.2.0]oct-4-en-7-one based schiff base Schiff base M (II) complexes were synthesized and evaluated for antimicrobial and antioxidant activity. Complex  $[\text{Ni}_2(\text{C}_{44}\text{H}_{52}\text{N}_{20}\text{O}_2\text{S}_8)(\text{OAc})_4]$  and  $[\text{Cu}_2(\text{C}_{44}\text{H}_{52}\text{N}_{20}\text{O}_2\text{S}_8)(\text{OAc})_4]$  shows best antimicrobial and free radical scavenging activity, respectively.



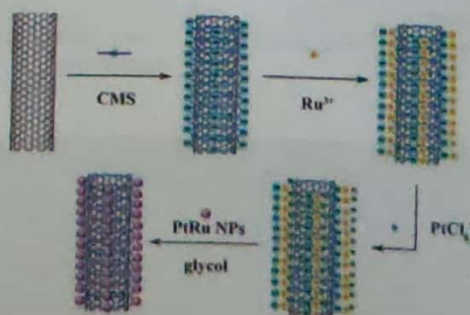
Gajendra Kumar

- 1098 Preparation of sustained-release hydrogel for A photograph of liquid marble with a volume of 20  $\mu\text{L}$  after controlling dye release gelling shows that the liquid marble is approximately spherical.



Shuai Han, Caixia Wang, Yongjun He\*, Yaodong Liang & Lin Feng

- 1103 Carboxymethylcellulose sodium-assisted uniform dispersion of PtRu nanoparticles on carbon nanotubes towards enhanced electrocatalytic oxidation of methanol Preparation of highly dispersed PtRu NPs on CNTs using conductive CMS as the surface linker for MOR.



Ying Cui\*, Bohua Wu, Ting Zhou, Liqiu Mao, Zhifeng Xu & Jiawen Hu

- 1109 Guide to Authors

Authors for correspondence are indicated by (\*)