Journal of the Indian Chemical Society

VOLUME 97 NUMBER 11a NOVEMBER 2020

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Oxidation of hydroxylamine by Co^{III}-bound superoxo complex containing chelating ancillary ligands: A kinetics and mechanistic study

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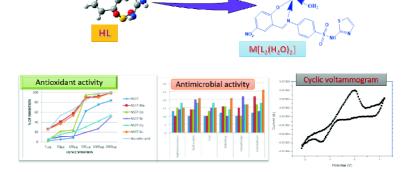
$$[(en)(dien)Co^{III}(O_2)Co^{III}(en)(dien)]^{5+} \xrightarrow{NH_2OH} [(en)(dien)Co^{III}-O-O-Co^{III}(en)(dien)]^{5+} \\ A \xrightarrow{k(PCET)} B \overset{H}{H} + H_2NO^{\bullet}$$
and
$$[(en)(dien)Co^{III}(O_2)Co^{III}(en)(dien)]^{5+} + H_2NO^{\bullet} \xrightarrow{ET(fast)} [(en)(dien)Co^{III}(HO_2)Co^{III}(en)(dien)]^{5+} \\ A \xrightarrow{LT(fast)} B + HNO$$

$$2HNO \xrightarrow{fast} N_2O + H_2O$$

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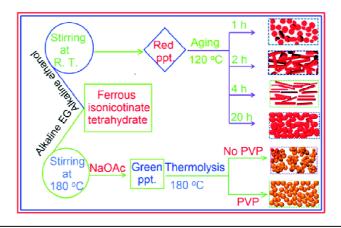
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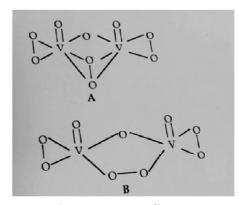


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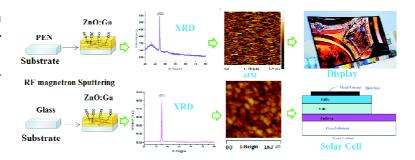
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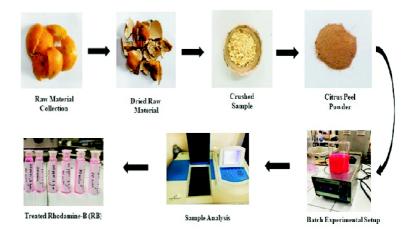
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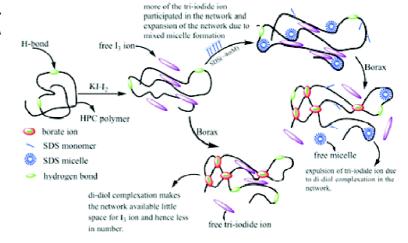
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$$\begin{array}{c} H \\ R = C - OH + (BIOH)_2 C r_2 O_5 + H^+ \\ COOH \end{array} = \left[\begin{array}{c} H^+ BIO \cdot C_2 C rO \\ H^+ BIO \cdot O_2 C rO \\ \end{array} \right] \xrightarrow{\text{OH}} \begin{array}{c} H^+ BIO \cdot C_2 C rO \\ \text{OH} \end{array} \right] \xrightarrow{\text{OH}} \begin{array}{c} H^+ BIO \cdot C_3 C C OOH \\ \text{OCOO} \\ \text{OH} \end{array}$$

Behaviour of hydroxy propyl cellulose (HPC) hydrogel in the presence of the SDS surfactant: A rheological study

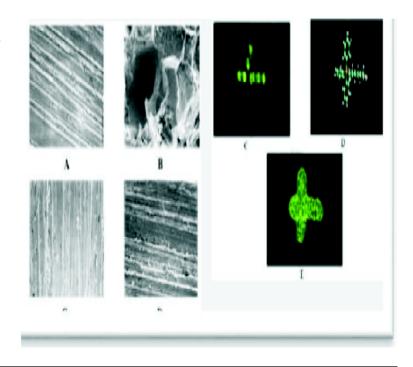
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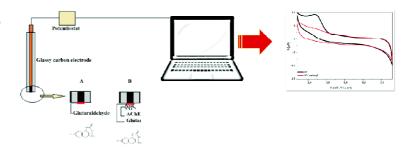
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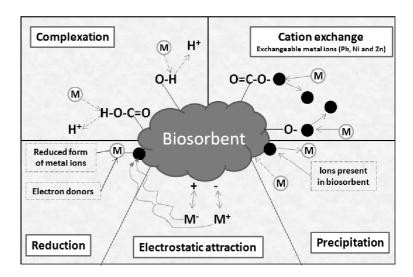
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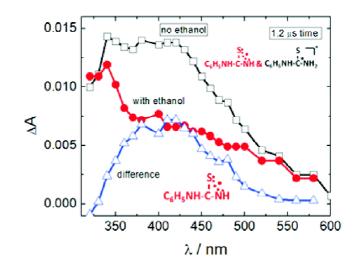
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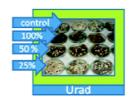
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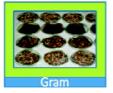
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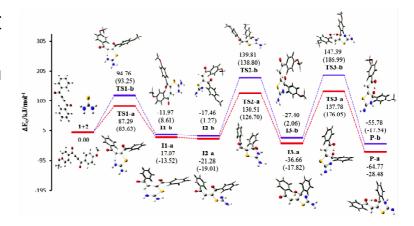


Organic Chemistry

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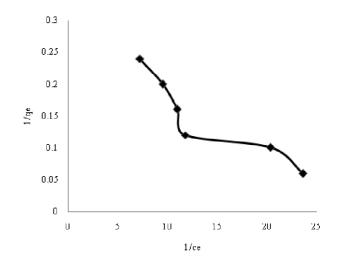
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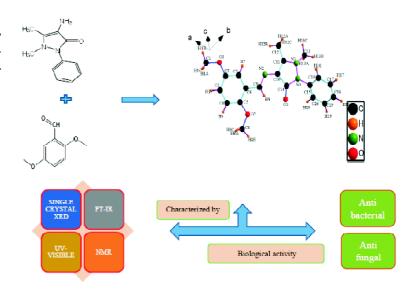
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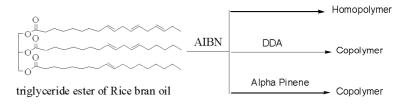
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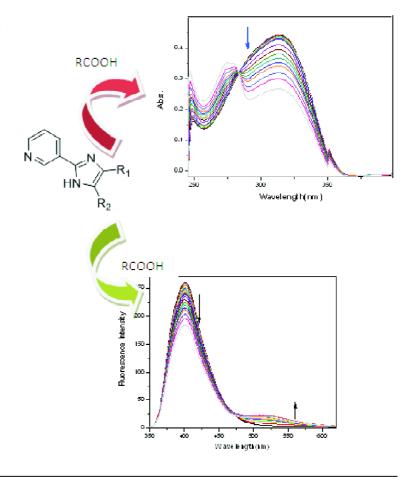
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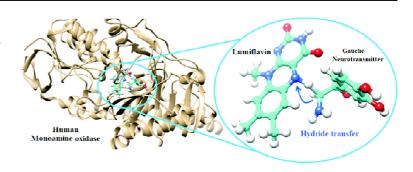
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Subrata Dasgupta, Soumita Mukherjee and Bishnu P. Mukhopadhyay

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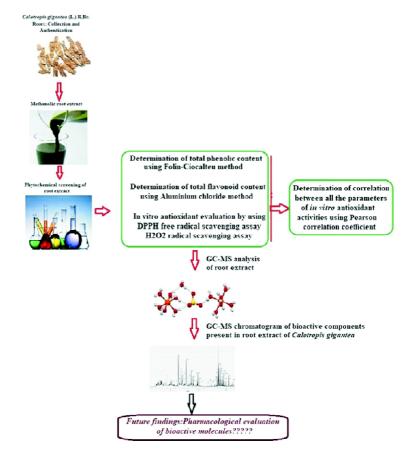
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Sonia Singh, Shilpi Pathak, Nitin Agrawal and Partha Pratim Maiti

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NH2CONH2

+ H2O

2NH3 + CO2 + Pd(surface) — Pd(Pd(Pd) Pd) — Pd(Pd(Pd) Pd)

Pd(Pd(Pd) Pd)

Pd(Pd(Pd) Pd)

Pd(Pd(Pd) Pd)

Pd(Pd(Pd) Pd)

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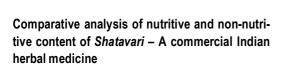
Pd(Pd(Pd) Pd)

Pd(Pd)

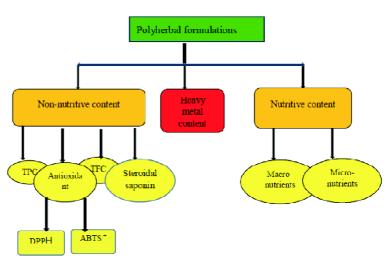
Pd(P

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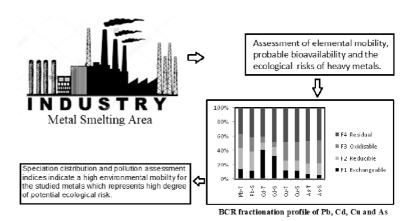


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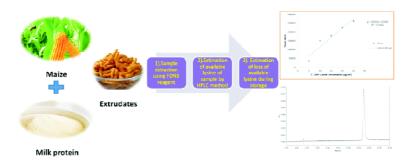
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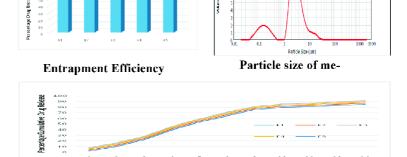
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