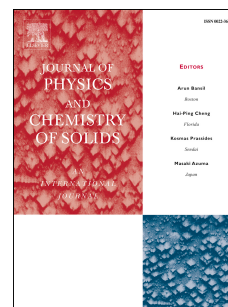


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Comparison of interaction mechanisms of copper phthalocyanine and nickel phthalocyanine thin films with chemical vapours

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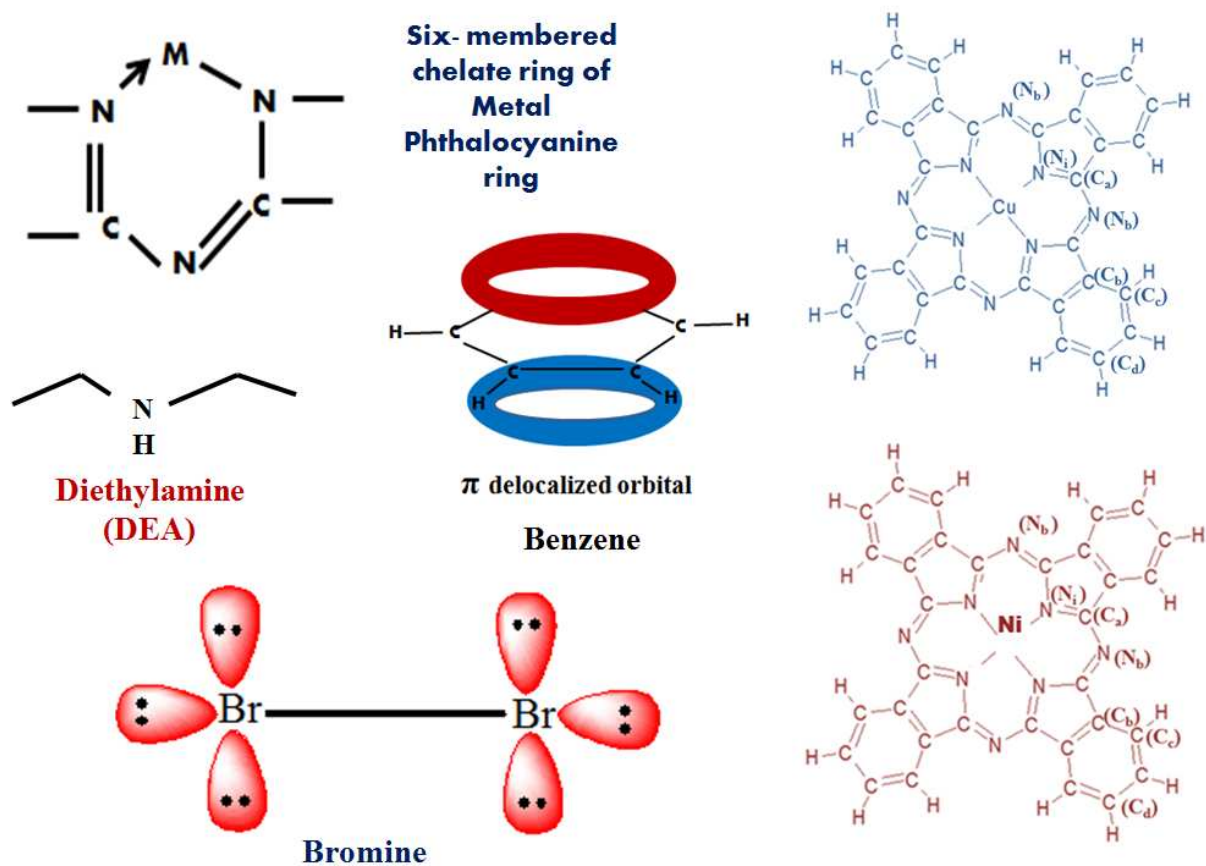
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Graphical Abstract



The six membered ring of Metal Phthalocyanine undergoes interaction with various chemical vapours adsorbed on it. It results in alteration of its electrical, optical and spectroscopic properties. The extent of distortion and sensitivity depends upon the adsorbed vapour and their physical and molecular properties. M in the present case is Cu^{2+} and Ni^{2+} and interaction with this central metal atom are dependent on its spin, magnetic and spectroscopic properties.

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