

RSC Applied Interfaces

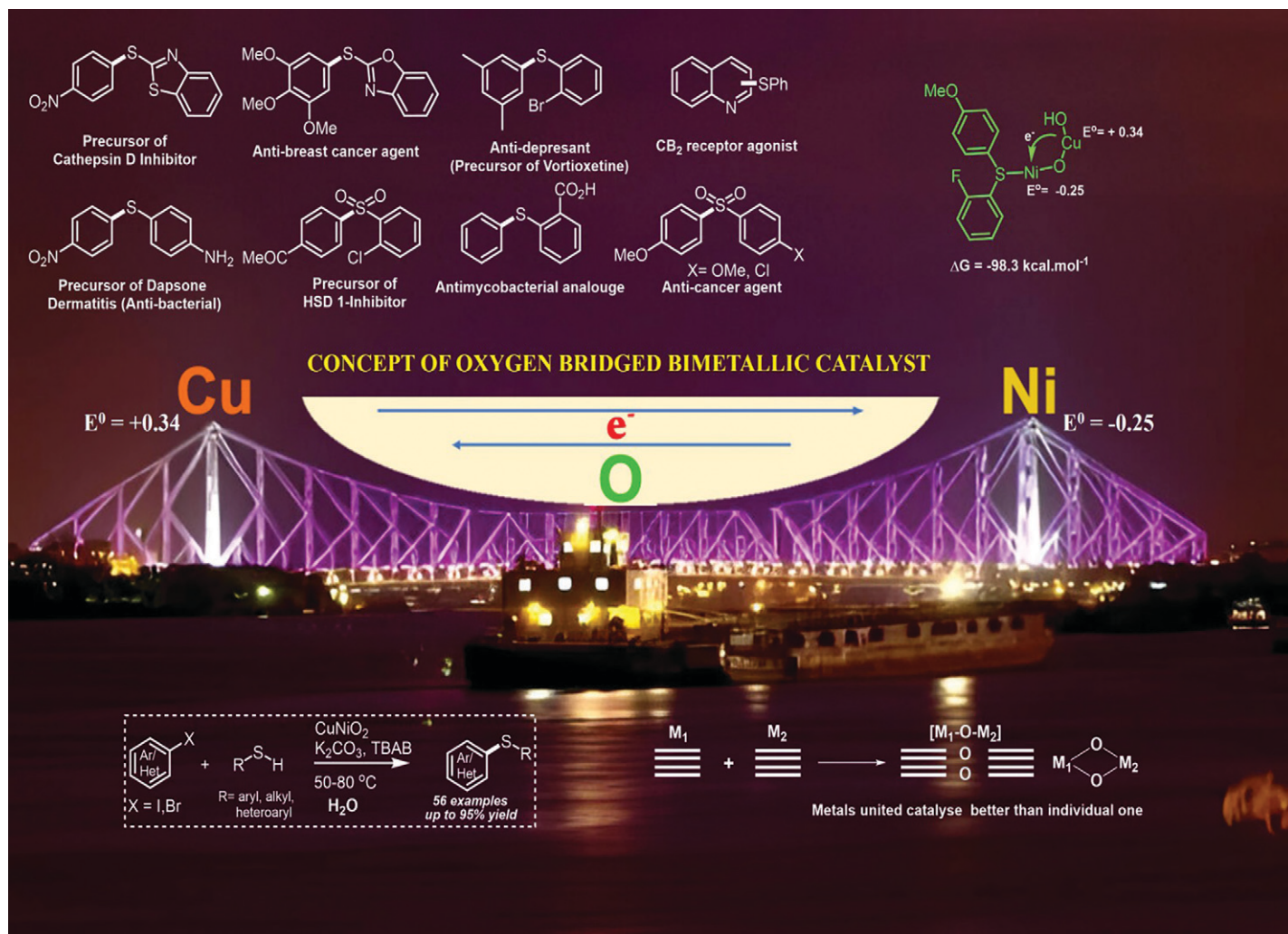
GOLD
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Interfacial and surface research
with an applied focus

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Fundamental questions
Elemental answers



Showcasing research from Professor Debendra K. Mohapatra and Professor Laxmidhar Rout's laboratory, Chemical Sciences Department, IISER Berhampur, Odisha, Department of Organic Synthesis and Process Chemistry, CSIR-IICT, Hyderabad, Department of Chemistry, Berhampur University, Odisha, India.

CuNiO₂ nano catalyst for efficient C(sp²)-S bond formation in water: toward green synthesis of bioactive molecules

A green and efficient Migita-type C(sp²)-S cross-coupling protocol has been developed using a heterogeneous CuNiO₂ bimetallic nanocatalyst. This methodology exhibits broad substrate scope and enabling gram-scale synthesis of a wide range of aryl, heteroaryl, and alkyl thioethers, including bioactive motifs.

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As featured in:



See Laxmidhar Rout, Debendra K. Mohapatra, *et al.*, *Catal. Sci. Technol.*, 2026, **16**, 830.