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Collaborative research with Paula Brandao, CICECO, Universidade de Aveiro, Portugal



universidade de aveiro



Regarding on-going scientific collaborations with Dr. Bidhan Chandra Samanta

Dear Dr. Misra,

This is to state that we are having on-going scientific collaborations with Dr Bidhan Chandra Samanta, Associate Professor, Department of Chemistry of your Institution since 2020. We have already published 2 papers in international peer-reviewed journals and one more is presently under review.

Thanking you

With sincere regards,

Aveiro 14 of December, 2022


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(Paula Brandão, Auxiliary Researcher, CICECO-Aveiro Institute of Materials, Department of Chemistry,

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Combined theoretical and experimental insights on DNA and BSA binding interactions of Cu(II) and Ni(II) complexes along with the DPPH method of antioxidant assay and cytotoxicity studies[†]

Prasun Acharya^a, Arun Kuila^a, Ushasi Pramanik^b, Venkatesha R. Hathwar^c, Paula Brandao^d, Saptarshi Mukherjee^e, Swapan Maity^f, Tithi Maity^g, Ribhu Maity^h and Bidhan Chandra Samanta^{i,*}

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Research article

Biophysical insights into the binding capability of Cu(II) schiff base complex with BSA protein and cytotoxicity studies against SiHa

Minakshi Maity^a, Ushasi Pramanik^b, Venkatesha R. Hathwar^c, Paula Brandao^d, Saptarshi Mukherjee^e, Swapan Maity^f, Ribhu Maity^g, Tithi Maity^h, Bidhan Chandra Samanta^{i,*}

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HIGHLIGHTS

- Cu(II) Schiff base with four co-ordinations forms distorted square planar geometry.
- The complex can act as promising BSA quencher.
- Cytotoxicity of the complex against SiHa cell by MTT assay.
- Potential as an anti-cancer drug for human breast cancer cells.

GRAPHICAL ABSTRACT

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Issue 24, 2022

From the journal:
New Journal of Chemistry

Significant photodegradation of carcinogenic organic dyes by a 1D supramolecular heteroleptic Cu(II) complex under sunlight irradiation†

Arun Kuila,^a Ribhu Maity,^a Prasun Acharya,^a Paula Brandao,^b Tithi Maity,^c Nayim Sengul,^d and Bidhan Chandra Samanta^{a,*}

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Abstract

The crucial role of supramolecular interactions in determining the supramolecular layer architecture of the heteroleptic Cu(II) complex [Cu(L)(imid)(ClO₄)₂] was synthesized from ortho-vanillin based Schiff base and imidazole on linande has been investigated through a detailed

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In Vitro Insight on Antifungal-Specific Potentiality of Ni(II) Complex against *Colletotrichum siamense* and *Fusarium equisetum* Phytopathogens

Minakshi Maity, Ribhu Maity, Tuhin Sarkar, Ankika Bhakat, Paula Brandao, Tithi Maity, Priyanka Das, Keka Sarkar*, and Bidhan Chandra Samanta*

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