



MUGBERIA GANGADHAR MAHAVIDYALAYA

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Collaborative Research Activities with Prof. Saptarshi Mukherjee, Chemical Sciences Division,

IISER, Bhopal, India



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHOPAL

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November 25, 2022

Dr. Swapan Kumar Misra
Principal
Mugberia Gangadhar Mahavidyalaya
Bhupatinagar, Purba Medinipur, 721 425

Sub.: 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 3 papers in international peer-reviewed journals and one more is presently under review.

Thanking you

With sincere regards,

(Saptarshi Mukherjee)

The screen shot of these publications from the collaborative works are shown below:

The screenshot shows a web browser with multiple tabs. The active tab is 'pubs.acs.org/doi/abs/10.1021/acs.jpcc.1c05794'. The page is from ACS Publications. The article title is 'Exploring the Noncovalent Interactions of the Dinuclear Cu(II) Schiff Base Complex with Bovine Serum Albumin and Cell Viability against the SiHa Cancer Cell Line'. The authors listed are Ribhu Maity, Nayim Sepay*, Ushasi Pramanik, Kalyanmoy Jana, Saptarshi Mukherjee, Swapan Maity, Dasarath Mal, Tithi Maity, and Bidhan Chandra Samanta*. The article is from J. Phys. Chem. B, 2021, 125, 41, 11364-11373. It has 587 article views, 2 altmetric mentions (Twitter 2, Mendeley 9), and 9 citations. There are buttons for 'Read Online' and 'PDF (7 MB)'. The journal cover for 'The Journal of Physical Chemistry B' is shown on the right. A cookie notice and Windows activation banner are at the bottom.

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Exploring the Noncovalent Interactions of the Dinuclear Cu(II) Schiff Base Complex with Bovine Serum Albumin and Cell Viability against the SiHa Cancer Cell Line

Ribhu Maity, Nayim Sepay*, Ushasi Pramanik, Kalyanmoy Jana, Saptarshi Mukherjee, Swapan Maity, Dasarath Mal, Tithi Maity, and Bidhan Chandra Samanta*

Cite this: *J. Phys. Chem. B* 2021, 125, 41, 11364-11373
Publication Date: October 6, 2021
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Article Views 587 | Altmetric 2 | Citations 9

Twitter (2) | Mendeley (9)

Supporting Info (1)

SUBJECTS: Cells

Read Online | PDF (7 MB)

The Journal of Physical Chemistry B

The screenshot shows a ScienceDirect article page. The article title is 'Copper(II) complexes with NNN and NNO Schiff base ligands as efficient photodegradation agents for methylene blue, preferential BSA binder and biomaterial transplants'. The authors are Kalyanmoy Jana^a, Ushasi Pramanik^b, Kapil S. Ingle^c, Ribhu Maity^d, Saptarshi Mukherjee^b, Susanta K. Nayak^c, Subhas Chandra Debnath^a, Tithi Maity^e, Swapan Maity^f, and Bidhan Chandra Samanta^d. The article is from the Journal of Photochemistry and Photobiology A: Chemistry, Volume 422, 1 January 2022, 113565. The page includes a table of contents (Abstract, Introduction, Section snippets, References (82), Cited by (4)) and a list of recommended articles. The ScienceDirect logo and search bar are at the top.

Journal of Photochemistry and Photobiology A: Chemistry

Volume 422, 1 January 2022, 113565

Copper(II) complexes with NNN and NNO Schiff base ligands as efficient photodegradation agents for methylene blue, preferential BSA binder and biomaterial transplants

Kalyanmoy Jana^a, Ushasi Pramanik^b, Kapil S. Ingle^c, Ribhu Maity^d, Saptarshi Mukherjee^b, Susanta K. Nayak^c, Subhas Chandra Debnath^a, Tithi Maity^e, Swapan Maity^f, Bidhan Chandra Samanta^d

Article preview

Abstract

Introduction

Section snippets

References (82)

Cited by (4)

Recommended articles

Probing reactions between imipramine and hydroxyl radical with the photolys...

Evaluating the merit of a syringol derived fluorophore as a charge transf...

Association and sequestered dissociation of an anticancer drug from liposome...

cell.com/heliyon/pdf/S2405-8440(22)02633-0.pdf

Biophysical insights into the binding capability of Cu(II) schiff base co...

Heliyon 8 (2022) e11345

Contents lists available at ScienceDirect

Heliyon

journal homepage: www.cell.com/heliyon

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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pubs.rsc.org/en/content/articlehtml/2023/ra/d2ra08341h

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DOI: 10.1039/D2RA08341H (Paper) RSC Adv., 2023, 13, 7632-7644

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^g and Bidhan Chandra Samanta^{h,*}

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Swapan

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