

CURRICULUM VITAE



- 1) Name (in block letters) : DR. ABHIJIT BANERJEE
- 2) Designation & Affiliation : ASSISTANT PROFESSOR & HOD
DEPARTMENT OF ELECTRONICS
KATWA COLLEGE,
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- 6) Highest Educational qualifications:

Academic Degree	Institution	Year of Passing	Subjects
Graduation (Hons./Pass)	Acharya Prafulla Chandra College	2003	Electronics (Hons.) with Mathematics (G) and Physics (G)
Post Graduation	University of Calcutta	2005	Electronic Science
Ph.D.	University of Calcutta	2019	Electronic Science

- 7) Whether Qualified at NET/SLET/SET : **UGC NET**
- 8) Research Publications : **Enclosed***
- 9) Teaching Experience (Institution(s) with years) :

YEAR	INSTITUTE	POST
01.11.2023 onwards	Katwa College (Affiliated to Burdwan University)	Assistant Professor & HOD
19.01.2006 - 31.10.2023	Acharya Prafulla Chandra College (Affiliated to West Bengal State University, earlier Calcutta University)	SACT-I & CWTT (Govt approved) in M.Sc. Electronic Science
2020-2023	Lady Brabourne College (CU)	Guest Faculty M.Sc. Physics (4 th Sem)
2023	West Bengal State University	Visiting Faculty in M.Sc. Electronics (4 th Semester)

- 10) Area of Specialization : Semiconductor Device Fabrication, Thin Film Deposition and Characterization

Dr. Abhijit Banerjee`

Publication Details

Department of Electronics/Electronic Science

Research Papers (International Journals):

Sl. No.	Title of the article	Name of the authors	Name of the Journal	Vol. &Year	Page No.	ISSN	Whether peer Reviewed. Impact factor, if any	Whether Scopus or Web of science indexed
1	'Aluminium/2-hydroxybenzaldehyde phenylhydrazone/aluminium organic MSM diode:an electrical and optoelectronic study'	Abhijit Banerjee*, Paramita Chakraborty & Jaba Roy Chowdhury	Journal of Materials Science: Materials in Electronics (Springer Nature)	Vol-34 (2023) https://doi.org/10.1007/s10854-023-11322-9	1954:1-10	0957-4522	Peer Reviewed IF- 2.8	Yes
2	'Methyl red/lead sulphide/indium tin oxide hybrid organic/inorganic diode: An electrical and optoelectronic study'	Abhijit Banerjee	Physica B: Physics of Condensed Matter (Elsevier)	Vol-618 (2021) https://doi.org/10.1016/j.physb.2021.413142	413142: 1-8	0921-4526	Peer Reviewed IF- 2.988	Yes
3	'Mononuclear copper (II) Schiff base complex: synthesis, structure, electrical analysis and protein binding study'	Mrinmoy Ghosh, Nayim Sepay, Corrado Rizzoli, Chandan Ghosh, Abhijit Banerjee* and Sandip Saha*	New Journal of Chemistry (Royal Society of Chemistry)	Vol-45 (2021) https://doi.org/10.1039/D0NJ04610H	2995-3006	1369-9261	Peer Reviewed IF- 3.925	Yes

4	‘Wavelength dependent photosensitivity modulation of aluminium/lead sulphide/indium tin oxide back-to-back diode’	Abhijit Banerjee	International Journal of Experimental Research and Review (IAPH)	Vol-22 (2020) https://doi.org/10.52756/ijerr.2020.v22.001	1-7	2455-4855	Peer Reviewed IF-NA	Yes
5	‘Methyl red/ indium-tin-oxide organic diode: An electrical and optoelectronic study’	Abhijit Banerjee,* Chirasmita Ghosh and Priyanka Chakraborty	Microelectronic Engineering (Elsevier)	Vol-216, (2019) https://doi.org/10.1016/j.mee.2019.111053	111053: 1-6	0167-9317	Peer Reviewed IF- 2.662	Yes
6	‘Azido bridged binuclear copper(II) Schiff base compound: synthesis, structure and electrical properties’	Mrinmoy Ghosh, Sandip Saha,* Abhijit Banerjee,* Dieter Schollmeyer, Ananda Sarkar and Saikat Banerjee	New Journal of Chemistry (Royal Society of Chemistry)	Vol-43, (2019) https://doi.org/10.1039/C9NJ02672J	16255-16263	1369-9261	Peer Reviewed IF- 3.925	Yes
7	‘Electrical and Optoelectronic Properties of Chemically Prepared PbS/MnS Heterojunction’	Abhijit Banerjee	Journal of Electronic Materials (Springer)	Vol-48, (2019) https://doi.org/10.1007/s11664-018-6721-8	438-444	0361-5235	Peer Reviewed IF- 2.1	Yes
8	‘Effect of Schottky-ohmic separation length on the ac properties of planar Schottky barrier diode’	Abhijit Banerjee and Projnan Chattopadhyay*	European Physical Journal: Applied Physics (EDP Sciences)	Vol-80, (2017) https://doi.org/10.1051/epjap/2017170208	20101: 1-6	1286-0042	Peer Reviewed IF- 1.168	Yes

9	‘On the voltage-dependent series resistance of a planar Schottky barrier diode’	Projnan Chattopadhyay* and Abhijit Banerjee	International Journal of Electronics (Taylor & Francis)	Vol-99, (2012) https://doi.org/10.1080/00207217.2011.651696	1051-1061	0020-7217	Peer Reviewed IF- 1.457	Yes
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Research Papers (National Journal):

Sl. No.	Title of the article	Name of the authors	Name of the Journal	Vol. & Year	Page No.	ISSN	Whether peer Reviewed. Impact factor, if any	Whether Scopus or Web of science indexed
1	‘Role of Schottky-ohmic separation length on dc properties of Schottky diode’	Projnan Chattopadhyay * and Abhijit Banerjee	Indian Journal of Pure and Applied Physics (NISCAIR)	Vol-52, (2014) http://nopr.niscair.res.in/handle/123456789/27253	198-202	0975-1041	Peer Reviewed IF- 0.846	Yes

Conference/Seminar:

1. ‘Some studies on wireless electricity transmission for effective media communication’, Amit Ganguly and **Abhijit Banerjee**, Media Communication: Past and present, UGC Sponsored National Seminar, 2009-2010. ISBN: 978-81-909990-3-8.
2. ‘Optical studies on PbS-MnS heterojunction prepared by chemical bath deposition technique’, **Abhijit Banerjee**, Sumitava Chatterjee and Anindita Dasgupta, National Conference on Advancement in Frontier Physics: From 20th century to the present, 2016.

3. WBDBT Sponsored International Seminar on Recent trends in Science towards Sustainable Development, 2018.
 - i) On the capacitance-voltage properties of sucrose thin film- **Abhijit Banerjee**, Barnali Ghosh and Sudipto Koley.
 - ii) Effect of annealing on the electrical properties of glycine thin film prepared by drop casting method- **Abhijit Banerjee**, Swati Choudhury and Deboshree Mukherjee.
 - iii) Synthesis and optical characterizations of 2,4,6-Triaminopyrimidine based Schiff bases- Mrinmoy Ghosh, Sandip Saha and **Abhijit Banerjee**.
4. 'Azido bridged binuclear copper (II) Schiff base compound: synthesis, structure and electrical properties'- Mrinmoy Ghosh, Sandip Saha and **Abhijit Banerjee**, ISCTC-2020 (International), DHWU.
5. 'Electrical properties of an Azido bridged dimeric copper (II) Schiff base complex',- Mrinmoy Ghosh, **Abhijit Banerjee** and Sandip Saha. MTCSD (National) 2020, VJRC.
6. 'Lead sulphide/indium tin oxide junction: An electrical and optoelectronic study' -**Abhijit Banerjee**, National Seminar on 'Sustainable Development: Its Impact on Marginalised', 2020, TM & SCM.

Post Graduate (M.Sc.) Project Supervision (last few years):

1. 'Electrical and Optoelectronic Studies on the Drop Cast Deposited Aluminium / 2-Hydroxybenzaldehyde Phenylhydrazone /Aluminium Structure'- (2022)
2. 'Electrical Studies on Aluminium/Glycine/Indium Tin Oxide Thin Film'-(2020)
3. 'Some Electrical Studies on Sucrose'- (2018)
4. 'Some Electrical Studies on Glycine Thin Film Formed by Drop Casting Method'-(2018)

5. 'Some Optical, Electrical and Thermal Studies on Lead Sulphide Thin Film Prepared by Chemical bath Deposition Technique'-(2017)
6. 'Some Optical and Electrical Studies on Methyl Red Film'-(2017)
7. 'Some Optical and Electrical Studies on PbS/MnS Heterojunction Thin Film Prepared by Chemical bath Deposition Technique'-(2016)

Declaration

I certify that the above statements are true and there is no suppression of fact in this regard.

Abhijit Banerjee