

**DEPARTMENT OF PHYSICS**  
**ASSAM UNIVERSITY SILCHAR**

The following students have completed their M.Sc Thesis Dissertation (PHY405B) in September 2020 under a supervisor as a part of PG course in Physics.

Sl. No.	Name of the student	Registration	Roll No.	Topic	Dissertation Supervisor
1	PARAG DEB	04-150075842 of 2018-2020	031918, No. 2013900001	Review on optical properties of GaN pyramids	Prof. B. Indrajit Sharma
2	BAISHALI THAKURI	01-150077478 of 2015-2016	042018, No. 2013900008	Review on Nitrogen Mustard: A DNA damaging agent with anticancer therapeutic usage	Mr. Swarnadeep Biswas
3	RAJDEEP DAS	01-140060470 of 2014-2015	042018, No. 2013900011	A Review on: Sulphur Mustard (SM) and its damage to Bio-Molecules	Mr. Swarnadeep Biswas
4	BINDIYA SINGHA	04-150075722 of 2015-2016	042018, No.2013900014	Metal decorated graphdiyne for hydrogen storage: a detailed study	Dr. Utpal Sarkar
5	JOYMALYA BHATTACHARJEE	02-150076726 of 2015-2016	042018, No. 2013900016	Review of the structure and properties of hydrated Adenine in ground and excited states	Dr. P.K. Shukla
6	ABU AHMED QUISAR	02-150076685 of 2015-2016	042018, No. 2013900017	Study of electronic and optical properties of Indium Nitride (InN) using Density Functional Theory	Prof. B. Indrajit Sharma

*Bindya*

7	SUPRADEEP PAUL	01-150077472 of 2015-2016	042018, No. 2013900018	Theoretical characterization of the effect of hydration on structure and properties of Guanine- A mini review	Dr. P.K. Shukla
8	SASWATI DEB	01-150077512 of 2015-2016	042018, No.2013900019	A theoretical study of lead-based perovskite solar cell using SCAPS-1D	Dr. Mahananda Baro
9	ANUJ KANTI NATH	01-140060252Of 2014-2015	042018, No. 2013900020	A review on the study of perovskite solar cells and it's advancement in commercialization	Dr. Mahananda Baro
10	SAMIARA AKTAR BARBHUIYA	01-150077558 of 2015-2016	042018 No: 2013900021	A short review on the structure and properties of Dihydrogen Trioxide (HOOOH)	Dr. P.K. Shukla
11	SHYAMASHREE SEN GUPTA	01-150077511of2015-2016	042018, No. 2013900022	Synthesis, Characterization and Applications of ZnO Nanoparticles : A Review	Dr. M. Bidhan Mohanta
12	L. HITESH KUMAR SINGHA	01-140060509 of 2014-2015	042018, No. 2013900023	Synthesis, characterisation and applications of silver nanoparticles: a review	Dr. M. Bidhan Mohanta
13	APAYAN DAS	03-150072086 of 2015-2016	042018 No. 2013900025	A Study of electronic structure of Indium Nitride: correlation to it's phases	Prof. B. Indrajit Sharma
14	ZARINA AZMI	02-1500766881 of 2015-2016	042018 No.2013900027	A Review on the Effect of Auxiliary Acceptor on Electrochemical and Photovoltaic Properties of Dye Sensitized Solar Cell	Dr. Utpal Sarkar

Bidha

15	RUMANA SULTANA BARBHUIYA	03-150072201 of 2015-2016	042018 No.: 2013900030	Interaction of Nucleobases with Nanomaterials	Dr. Utpal Sarkar
16	BISHWAJIT NATH	20180016611 of 2018-2019	042018, No. 2013900035	Study of electronic properties and phase transitions of Gallium Nitride using density functional theory	Prof. B. Indrajit Sharma
17	DHANJIT TALUKDAR	20180016615 of 2018-2019	042018, No. 2013900036	A comparative study of the structural and electronic properties of Graphene, Graphane and hexagonal Boron Nitride (h-BN)	Dr. P.K. Shukla
18	GOUTAM CHANGMAI	20180016614 of 2018-2019	042018, No. 2013900037	A review on Methylation of Biomolecules by Methane diazonium ion	Mr. Swarnadeep Biswas
19	SILPI SIKHA GAYAN	20180016609 of 2018-2019	042018, No. 2013900038	A Review Work on the Synthesis of Silver Nanowires using Polyol Method and their Application as Transparent Conducting Film	Dr. Mahananda Baro
20	KANAK DAS	20180016613 of 2018-2019	042018, No. 2013900039	Synthesis, characterisation and applications of Copper Oxide nano particles: a review	Dr. M. Bidhan Mohanta
21	BHUPATI BRAHMA	20180016608 of 2018-2019	042018, No. 2013900040	A review on interaction of 5-fluorouracil drug molecule with nanosheet	Dr. Utpal Sarkar

Dated: 29-12-2020

*Bindra*  
HOD, Physics