Patha Bhavana, Visva-Bharati, Santiniketan

1. **Name:** Dr. Animesh Ghosh
2. **Date of Birth:** 25.12.1986
3. **Designation:** Assistant Lecturer (A)
4. **Subject:** Chemistry (Specialisation in Organic & Computational Chemistry)
5. **Email:** animesh.ghosh@visva-bharati.ac.in
6. **Date of Joining:** 4.12.2014
7. **Present Experience:** Teaching at the Visva-Bharati (from 4.12.2014 to present)
8. **Past Teaching Experience:**

   Guest Lecturer, Chandidas Mahavidyalaya, Khujutipara, Birbhum (2012-2013)
9. **Total teaching experience:** 12 years till 2025
10. **Academic Qualifications**

Examination Passed	Subjects	Institution	Year of Passing
School Certificate Examination(10^{th})	Bengali,English,Math,Phy.Sc, Life Sc, Geography,History, Wood Work (Core)	Visva-Bharati	2003
Pre-Degree (+2) Examination	Bengali, English, Mathematics, Physics, Life Science, Chemistry Ceramics (Vocational)	Visva-Bharati	2005
B.Sc.(Honours)	Chemistry (Honours) Mathematics,Physics (Subsidiary) Rabindra Charcha, Environmental Sc	Visva-Bharati	2008
M.Sc.	Chemistry (Specialized in Organic Chemistry)	Visva-Bharati	2010
B.Ed.	Physical science and Mathematics (Method)	Visva-Bharati	2011
Ph.D	Title: Reaction Modeling on the Metal Catalyzed Isomerization Reactions	Visva-Bharati	2018

11. Other Qualifications

(a) NET QUALIFIED (JUNE 2012) Conducted by Council of Scientific and Industrial Research (CSIR)

(b) CTET (Central Teacher Eligibility Test) QUALIFIED (JAN2012) Conducted by CBSE

(c) GATE QUALIFIED (2012)

12. Detailed List of Publications

a) Research Papers and Articles in the Journals (with ISSN Number):

1. Study on the mechanism of isomerization of oxaspirohexane catalyzed by Zeise's Dimer (2018)

Journal: *Molecular Catalysis*
url:www.sciencedirect.com/science/article/abs/pii/S2468823118301342?via%3Dihub
doi: doi.org/10.1016/j.mcat.2018.04.003

2. Au-Catalyzed Hexannulation and Pt-Catalyzed Pentannulation of Propargylic Ester Bearing a 2-Alkynyl-phenyl Substituent: A Comparative DFT Study (2018)

Journal: *ACS Omega*
url: https://pubs.acs.org/doi/10.1021/acsomega.7b01889
doi: 10.1021/acsomega.7b01889

3. Revisited the mechanism of the transition metal catalyzed cycloetherification of ω-hydroxy propargylic ester: A DFT study (2017)

Journal: *Computational and Theoretical Chemistry*
url: www.sciencedirect.com/science/article/abs/pii/S2210271X17302803?via%3Dihub
doi: dx.doi.org/10.1016/j.comptc.2017.05.036

4. Ionic liquid supported acid additive stabilizes the transition structure of organocatalytic asymmetric direct aldol reaction by proton donation: A quantum mechanical study (2016)

Journal: *Journal of Theoretical and Computational Chemistry*
url: www.worldscientific.com/doi/abs/10.1142/S0219633616500498
doi: doi.org/10.1142/S0219633616500498

5. Theoretical study on the isomerization of propargyl derivative to conjugated diene under Au(I)-catalyzed reaction: A DFT study (2016)

Journal: *Computational and Theoretical Chemistry*
url: www.sciencedirect.com/science/article/abs/pii/S2210271X16300639?via%3Dihub
doi: dx.doi.org/10.1016/j.comptc.2016.03.006

6. DFT study on the mechanism of 1,3-hydrogen disposition in Isopentenyl pyrophosphate catalyzed by Isopentenyl pyrophosphate: Dimethylallyl pyrophosphate isomerase (2016)

Journal: *Journal of Theoretical and Computational Chemistry*
url: www.worldscientific.com/doi/abs/10.1142/S0219633616500255
doi: 10.1142/S0219633616500255

7. Stabilization of the transition structures of organocatalytic asymmetric direct aldol reaction in wet solvent free condition by the formation of water assisted supramolecular network: A DFT study (2015)

Journal: *Computational and Theoretical Chemistry*
url: www.sciencedirect.com/science/article/abs/pii/S2210271X1500119X?via%3Dihub
doi: dx.doi.org/10.1016/j.comptc.2015.03.01

8. Ligand-assisted acyl migration in au-catalyzed isomerization of propargylic ester to diketone: a DFT study (2014)

Journal: *The Journal of organic chemistry*
url: https://pubs.acs.org/doi/10.1021/jo500822v
doi: doi.org/10.1021/jo500822v

9. Mechanism of the Gold(III)-Catalyzed Isomerization of Substituted Allenes to Conjugated Dienes: A DFT Study (2013)

Journal: *The Journal of organic chemistry*
url: https://pubs.acs.org/doi/10.1021/jo401400x
doi: dx.doi.org/10.1021/jo401400x

13. Participation in, Workshop, Seminar, Conference, Short Term Course:

(a) "Investigation on the thermal unfolding pathway of a thermo-alkali stable family 10 xylanase (BSX) from Bacillus sp. NG-27 by Molecular Dynamics simulation method" presented in the National Conference on "Molecular Architecture, Dynamics and Assembly in Living Systems (MADALS 2014)" in Saha Institute of Nuclear Physics, Kolkata, 7^{th} – 10^{th} February, 2014.

(b) “Comparative study on metal catalyzed pentannulation and hexannulation of benzenediyne: A DFT study” presented in the “National on Recent Trends in Chemistry Research” in department of Chemistry Visva-Bharati, Santiniketan, 25th-26th March 2017.

14. Other Information:

Vidwan link: https://vidwan.inflibnet.ac.in/profile/157924