TEACHER PROFILE/ CV

1. Full name of the faculty member: **Dr. Dola Pahari**

2. Designation: **Associate Professor**

3. Department: **CHEMISTRY**

4. Specialization (if any): **Physical Chemistry**

5.Contact Information: **Eden Tolly Signature, Flat F1C, 344 M G Road, Kolkata 700104**

Email: pahari.dola@gmail.com

6. Academic qualifications

College/ university	Abbreviation of the Degree
Jadavpur niversity	B. Sc.
Indian Institute of Technology - Kanpur	M.Sc.
Indian Association For The Cultivation Of Science	Ph.D

7. Post holding after appointment at this institution

Designation	Department	Duration		Institution
		From	To	
Assistant Professor (Stage-III)	Chemistry	2015	2018	Maharaja Manindra Chandra College
Associate Professor	Chemistry	2018	Till Date	Maharaja Manindra Chandra College

8. Post held before appointment at this institution

Designation	Department	Duration		Institution
		From	To	
Assistant Professor (Stage-I)	Chemistry	2004	2010	Kharagpur College
Assistant Professor (Stage-III)	Chemistry & Biological Chemistry	2010	2015	Kharagpur College
Assistant Professor (Stage-III)	Chemistry	2015	2015(9th April)	Kharagpur College

9. Research interests:

Electronic Structure Theory

10. Research Project

N/A

11. Lecture Delivered/ Paper Presentation

Title of the paper presented	Title of Conference/ Seminar and Yesr	Nature of Participation	Venue
Mk-MRCEPA theory and scope of its application in nanoscience	Recent Trends in Functional Materials in relation and Nano materials and Nanotechnology, February 4-5, 2016	Poster	Department of Chemistry, St. Paul's Cathedral Mission College, Kolkata
Studies Involving an *ab initio* theory of strongly correlated molecular systems	National Symposium on Facets of Chemistry in Biology (FOCB), February 22- 23, 2016	Poster	Department of Chemistry, St. Xavier's College (Autonomous), Kolkata

Application of spin free multi reference many body formalism to quasidegenerate electronic states	International Symposium on Facets of Chemistry in Biology (FOCB- II) January 12, 2017	Poster	Department of Chemistry, St. Xavier's College (Autonomous), Kolkata

12. Publications:

(a) Published paper in Journals*:*

1. Pahari, D., Chattopadhyay, S., Das, S., and Mukherjee, D. (2003): "Size extensive State-specific Multi-reference Many-body Approach using Incomplete Model Spaces" Chem. Phys. Lett., 381, 223-229.

2. Chattopadhyay, S., Pahari, D., Mahapatra, U. S. and Mukherjee, D. (2004): "A State-specific Approach to Multi-reference Coupled Electron-pair Approximation like Methods: Development and Applications", J. Chem. Phys., 120, 5968-5986.

3. Pahari, D., Chattopadhyay, S., Deb, A., and Mukherjee, D. (2004): "An Orbital invariant Coupled Electron-pair like Approximant to a State-specific Multi-reference Coupled Cluster Formalism", Chem. Phys. Lett., 386, 307312.

4. Chattopadhyay, S., Pahari, D., Mahapatra, U. S., and Mukherjee, D. (2005): "Computation of Excited States Potential Energy Surface via Linear Response Theories based on State-specific Multi-reference Coupled Electron-pair Approximation like Methods" in Computational Chemistry: Reviews of Current Trends, Ed. J. Leszcynski (World Scientific, Singapore, New Jersey) 121-151.

5. Pahari, D., Chattopadhyay, S., Das, S., Mukherjee, D. and U S Mahapatra (2005): "Size-consistent State-specific Multi-reference Methods: A Survey of Some Recent Developments" in Theory and Applications of Computational Chemistry: The First 40 Years, Ed. C. F. Dykstra, et. al (Elsevier), 581-633.

6. Pahari, D., Ghosh, P., Mukherjee, D. and Chattopadhyay, S. (2006) "Towards the Development and Applications of Manifestly Spin-free Multi-reference Coupled

Electron-pair Approximation (MRCEPA) like Methods: A State Specific Approach" Theor. Chem. Acc. 116, 621-636.

7. "A short journey through non variational multi-reference many body heories" (2016), Prajnan-O-Sadhona, p 76-84, Vol 3.

8. "Different variants of single-reference theories in electronic structure theory- their strength and weakness" (2017), Uttaran, Vol-5, P 140-142.

9. "A short journey through state-specific multi-reference many body theories" (2017), IJESI, P 57-61, Vol-6, Issue 10.

Book(s):

1. Pahari & Pahari, Problems on Physical Chemistry (thoroughly Revised, Enlarged and updated second edition: February 2015