1. Name: Dr. Kakali Datta
2. Date of birth: 27.08.1972
3. Name of parents: Sudhir Datta
4. Address: (a.) Present; (b.) Permanent; (c.) Official :
   Present and permanent Address: Green Park, Amtala,(Golapbag), Rajbati, Burdwan 713104
   Official Address: Dept. of Chemistry, MUC Women's College
5. Contacts: (e-mail and ph. no. preferably active whats app no.): kakali12dat@gmail.com; 9474376317
6. Religion: Hinduism
7. Nationalism: Indian
8. Academic Qualifications: (From highest to lowest with detail e,g. year of Passing, Board/College/University, Percentage of total Marks, Class, Specialization if any : Annexure
9. National Eligibility Test qualified if any (UGC NET, UGC-CSIR NET, SET/SLET, GATE etc with year): Annexure
10. Research experience: (a.) Details of personal research(M.Phil./Ph.D.); (b.) Research Supervision, if any

    Ph.D from The University of Burdwan dated 13.02.2001. Title: "EDA Interaction……Experimental study"

11. Postdoctoral Research experience, if any: Give short description with in detail : Research Associate(RA) position from CSIR, India. Postdoctoral Research work associated with The University of Burdwan from Feb'2002 to Sep'2006.
12. Research Projects, if any (Provide details – Ongoing/Completed) : Annexure
13. Patent, if any: Nill
14. ORCID ID: if any
15. No. of Citations, if any: (as on 31.01.2024 preferably from google scholar citation index)
16. H-index: if any
17. i10 –index: if any
18. Awards/Recognition/Honour, if any
19. Paper Presentation details (State, National and International Level): Annexure
20. Invited Lectures/ Resource person, if any: Nill
21. Publication details other than journal: (a.) Books written/edited; (b.) Essays/Articles; (c.) Chapters in a book;(d) Study Materials prepared
22. Editing experience, if any: Nill
23. Member on editorial board/Advisory Board: Nill
24. Refresher Course/Orientation Programme/Short Term Course attended: Annexure

25. Seminar/Conference/Professional development programme attended: Annexure
26. Teaching experience: (a.) this college); (b.) previous experience: (a) in this college : 18.09.2006 to till date
27. Member on academic bodies outside college(UGBS/PGBS, etc)
28. Academic Leadership (Head/Convener/ Coordinator, etc)
29. Members on different committees within college:
30. Experience as members on Selection Committee, if any:
31. Teaching experience outside the curriculum(NSOU, IGNOU, PCP, etc):
32. Member of Academic Associations:
33. Area of interest: (both in teaching and present research): Annexure
34. Anything remarkable contribution:
35. Publication: (total no of publication with details till 31.01.2024)
36. Declaration (with signature and date):

Annexure

8. Educational Qualifications

Examination	Name of the Board or University	Year of Passing	Class/grade
Madhyamik	WBBSE	1986	I
Higher Secondary	WBBHSE	1988	I
B. Sc (Chemistry Hons)	Vidyasagar University	1991	II
M.Sc. (Chemistry)	The University of Burdwan	1993	I
Other Examination: B.Ed.	The University of Burdwan	1995	I
NET SLET	CSIR	2000 2001	

Annexure-I

Ph.D. Publications:

1. "Studies on labile Chrage Transfer complexes ……..a series of phenols" Kakali Datta, Asok K. Mukherjee, Manas Banerjee, Bejoy K. Seal; *Spectrochimica Acta A*, 53 (1997) 2587.
2. "Method for construction of Characteristic Polinomials……Graph Linearization", Kakali Datta and Asok K. Mukherjee, *International Journal of Quantum Chemistry*, 65 (1997) 199.
3. "Charge transfer transition energies of EDA ……..with AM1 results" Kakali Datta, Asok K. Mukherjee, Manas Banerjee, Bejoy K. Seal; *Indian Journal of Chemistry*, 38A(1999) 585.
4. "Strongly subspectral pairs …….a common generic graph", Kakali Datta, Manas Banerjee, Asok K. Mukherjee, *Phys.Chem. Chem.Phys*, 1 (1999) 2912.
5. "Characteristic Polynomials ……their subspectrality", G. Mukherjee, K. Datta and A. K. Mukherjee, *Proc. Indian Acad. of Sc*i., 112 No.1, (2000) 27.

6. "Study of a novel reaction ……..a charge transfer intermediate", T. Roy, K.Datta, M.K.Nayak, A.K. Mukherjee, M. Banerjee, B.K. Seal, *J.Chem. Soc., Perkin Trans 2*,(1999) 2219.
7. "Kinetic Study of the decay of EDA complexes …….. .. dianhydride" T. Roy, K. Datta, A.K. Mukherjee, M. Banerjee, B.K. Seal, *Indian Journal of Chemistry*, 37A(1998) 1007.
8. "Spectroscopic and kinetic studies on the electron donor-acceptor ……..dianhydride", T. Roy, K. Datta, A.K. Mukherjee, M. Banerjee, B.K. Seal, *Indian Journal of Chemistry*, 36A(1997) 585.
9. "A Pascal's triangle-like approach ……..reciprocal graphs", B. Mandal, K. Datta, A.K. Mukherjee, M. Banerjee, *Molecular Physics*, 96 No.11, (1999)1609.
10. Studies on the charge-transfer complexes ……a series of methylbenzene", B. Chakravarty, K. Datta, A.K. Mukherjee, M. Banerjee and B, K. Seal, *Indian Journal of Chemistry*, 37A(1998) 865.
11. Ground state EDA complex formation between [60]fullerene …….aromatic hydrocarbon", K.Datta, M. Banerjee, B.K. Seal and A.K. Mukherjee, *J.Chem. Soc., Perkin Trans 2*,(2000) 531.
12. "A graph theoretical analysis of the electron acceptor properties…….quinol", D.C. Mukherjee, K. Datta and A.K. Mukherjee, *Indian Journal of Chemistry*, 40A (2001) 126.

Post Ph.D. Publications:

13."Study of a reaction between 2,3-dichloro-1,4-Naphthoquinone……..involving EDA adduct as intermediate", K. Datta and A.K. Mukherjee, *Spectrochimica Acta A*, 60 (2004) 1641.

14."Comparative Study of the Host-Guest Complexes……in different solvents", Kakali Datta, Manas Banerjee and Asok K. Mukherjee, *The Journal of Physical Chemistry B*, 108 (2004) 16100.

15. "Study of quenching of anthracene fluorescence by [60]fullerene", K. Datta and A.K. Mukherjee, *Spectrochimica Acta A*, 65 (2006) 261.

16. "Construction and Utilisation of Planar Graphs ……..use of thereefold rotational symmetry", B. Mandal, K. Datta, M. Banerjee and A.K. Mukherjee, *The International Journal of Quantum Chemistry*,105 (2005) 201.
17. "Aggregation of [70]fullerene ……..A chemical kinetic experiment", K. Datta and A.K. Mukherjee, *The Journal of Chemical Physics*, 124 (2006) 144509.
18. "A comparative study of molecular complexation of [60] fullerene and [70]fullerene ……by UV-Vis spectroscopic method", K. Datta and A.K. Mukherjee, *Spectrochimica Acta A*, 62 (2005) 66.
19. Spectroscopic and thermodynamic study of charge-transfer interaction between Viitamin B_6 ……..varying composition", K. Datta, Dalim Kumar Roy and A.K. Mukherjee, *Spectrochimica Acta A*, 70 (2008) 425.
20. "Performance of the M06 family of functionals in predicting the charge transfer transition energies of molecular complexes of TCNE with a series of methylated indoles", Amit S. Tiwary , Kakali Datta , Asok K. Mukherjee, *Computational and theoretical Chemistry*, 1068 (2015) 123.
21. "A brief Review of the Structure and Properties of Buckyball ([60]fullerene)", Kakali Datta, *Journal of Arts, Science and Teaching*, Vol. 01, No.01(2015) 51.
22. "Planar graph representation of [60]- and [70]fullerene structures: some advantages with such representations", Kakali Datta, *Journal of Indian Chemical Society*, 93, No.1 (2016) 39.
23. "Eigenspectral features of some radialene-related π-conjugated systems", Kakali Datta, *Journal of Indian Chemical Society*, 93, No. 6 (2016) 635.
24. "Isomer enumeration using cyclic permutation- An example", Kakali Datta, *Journal of Arts, Science and Teaching*, Vol.03, No.01(2017) 35.
25. "Graphs with the golden ratio eigenvalues and conjugated π-systems", Kakali Datta, *Journal of Indian Chemical Society*, 95, No. 4 (2018) 417.

Paper and poster presentation:

1. "Non-degenerate eigenvalues of C_{50+10n} and C_{60+12n} fullerene graphs", Kakali Datta and Asok K.Mukherjee, *First Indo-US Workshop on Mathematical Chemistry*, January 9-13,1998,Visva Bharati University, Santiniketan.
2. "Calculation of ^{1}H NMR chemical shifts of methyl group protons in a series of methylbenzene charge transfer complexes by Density Functional Theory", Kakali Datta, *UGC Sponsored National Seminar on Frontier in Chemistry*, 4th and 5th December, 2013, M.U.C.Women's College.

3. "Construction and Utility of [60]- and [70]Fullerene Graphs", Kakali Datta, National Level Seminar on Advanced Spectroscopy, Theoretical Chemistry, Synthesis, Reactivity and Structural evaluation, 19th-21st February, 2015, The University of Burdwan, India.
4. "Subspectrality in the graphs of π-conjugated systems", Kakali Datta, National Level Seminar on Design, Synthesis, Chemical and Biochemical activities of Different Functional Molecules, 4th-6th February, 2016, The University of Burdwan, India.
5. "Vertex Colouring of Chemical Graphs", Kakali Datta, International Science Seminar on Science: Past, Present and Future, 12th December, 2017, Syamsundar College, in Association with Indian Chemical Society, India.

6. "Topological Symmetry of Chemical Graphs", Kakali Datta, National Seminar on Frontiers in Chemical Sciences (NSFCS-2018), Trivenidevi Bhalotia College, Raniganj, India.

Minor Research Project of UGC Grant Amount Rs. 142500.00 (Sanction No. F. PSW-017/08-09 (ERO) has been completed**.**
Title: Analysis of Fractal Graphs for Molecular Aggregates and Crystals.

Annexure-II

Academic Staff College Orientation/Refresher/STC Course attended.

Name of the Course/Summer School	Place	Duration	Sponsoring Agency
70th Orientation Programme	Academic Staff College, The University of Burdwan	28 days (16.05.2009-12.06.2009)	UGC
5th Refresher Course in Chemistry	Academic Staff College, The University of Burdwan	21 days (28.08.2010-17.09.2010	UGC
1st Refresher Course in Nano Science, Nano Tech & Appl	Academic Staff College, The University of Burdwan	21 days (11.06.2014-01.07.2014)	UGC
STC in Students Counseling and Guidance	Human Resource Development Centre, The University of Burdwan	7 days (25.08.2015-31.08.2015)	UGC
STC in National Foundation for Communal Harmony	Human Resource Development Centre, The University of Burdwan	7 days (23.06.2016-29.06.2016)	UGC
Workshop on Student Guidance Counseling and Career Planning	Human Resource Development Centre The University of Burdwan	7 days (25.08.2018-31.08.2018)	UGC