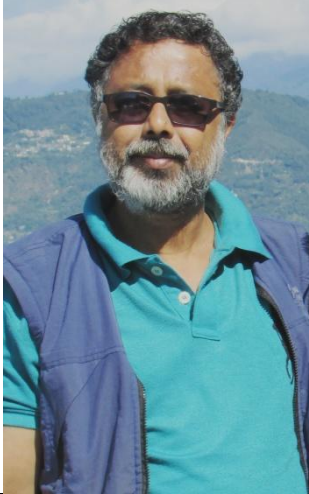


CURRICULUM VITAE

Name	:	BIPLAB CHATTOPADHYAY	
Date of Birth	:	5 OCTOBER, 1963	
Place of Birth	:	GUSHKARA, BURDWAN DISTRICT (W.B.), INDIA	
Father's Name	:	Late KAITISH CHANDRA CHATTOPADHYAY	
Mother's Name	:	Late KAMALA CHATTERJEE	
Marital Status	:	MARRIED	
Nationality	:	INDIAN	
Present Designation	:	Principal (W.B.S.E.S)	
Office Address	:	Taki Government College North 24 Parganas District, Taki-743429, West Bengal. Phone: +91-3217-234474; Fax: +91-3217-234566; Website: http://www.takigovtcollege.in ; E-mail: principal.tgov@gmail.com	
Permanent Residential Address	:	25D/13 Anupama Housing Complex, V. I. P. Road, P.O. Airport, Kolkata 700052, West Bengal, INDIA.	
Telephone	:	+91-9432082750 (Mobile); +91-9830678502 (Mobile) +91-33-25006615 (Residence at Kolkata)	
E-mail	:	bhattopa@gmail.com	

ACADEMIC QUALIFICATIONS :

DEGREE /EXAM	YEAR	% OF MARKS	CLASS	BOARD/UNIVERSITY
Madhyamik	1979	73.3 %	I	W.B. Board of Secondary Education
H.S.(10+2)	1981	66.9 %	I	W.B. Council of H. S. Education
B.Sc. (Hons)	1985	50.6 %	II	University of Burdwan
M.Sc. (Physics)	1987*	66.8 %	I	University of Burdwan
Ph.D. (Physics)	1995			University of Hyderabad

*Results Declared Jan.'89

ACADEMIC HONOURS :

1. National Scholarship in Secondary Level (1979).
2. University Gold Medal securing First Rank in M.Sc. (1987).
3. Qualified in the National Educational Test (NET) Examination (1988).
4. Invited Speaker in the International Symposium of Hayashibara Forum'98, held at Okayama, JAPAN (13-16 April, 1998).
5. Talk in the Invited Session, in the Condensed Matter Days-1998, held at T. M. Bhagalpur University, INDIA (27-29 August, 1998).
6. CSIR-Pool Officer Fellowship (December, 1998).
7. Invited Speaker at the 3rd International Conference on Analytic Mathematics and its Application, Xinyang Normal University, Henan, CHINA (8-12 August, 2011)
8. Chaired a Session of Invited Lectures at the 3rd Int. Conf. on Analytic Math and its Application, Xinyang Normal University, Henan, CHINA (8-12 August, 2011)

ABROAD VISITS :

1. Visiting Scientist at I.C.T.P., Trieste, ITALY (15 April – 9 July, 1994).
2. Visiting Scientist at I.C.T.P., Trieste, ITALY (1 July – 15 August, 1995).
3. Visited JAPAN as Invited Speaker at the International Symposium of Hayashibara Forum'98, at Okayama, JAPAN during April, 1998.
4. Visited P. R. CHINA to deliver lectures in four International Conferences: (i) The 3rd International Conference on Combinatorial Optimization and Applications (COCOA'09), at Yellow Mountains, Huangshan CHINA, June 10–12, 2009; (ii) Joint Conference of the Society for Mathematical Biology and Chinese Society for Mathematical Biology, Zhejiang University, Hangzhou, CHINA, June 14–17, 2009; (iii) The 11th International Conference on Molecular Systems Biology (ICMSB'09), at Shanghai, CHINA, June 21-25, 2009; (iv) International Conference on “Applied Analysis and Scientific Computation” at Shanghai Normal University, Shanghai, CHINA, June 25-28, 2009.
5. Visited P. R. CHINA to deliver invited lecture at the 3rd International Conference on Analytic Mathematics and its Applications at Xinyang Normal University, Xinyang, Henan, CHINA, August 8–12, 2011.

ACADEMIC POSITIONS :

1. UGC Junior Research Fellow (1989 - 1991).
2. UGC Senior Research Fellow (1991 - 1994).
3. Postdoctoral Fellow at MRI, Allahabad, (February, 1995 - February, 1997).
4. Postdoctoral Fellow at SINP, Calcutta, (March, 1997 - February, 1999).
5. CSIR Pool Officer at SINP, Calcutta, (March, 1999 – June, 2000).

MEMBERSHIP IN PROFESSIONAL BODIES/SOCIETIES :

1. Life Member : The Indian Physical Society.

PRESENT RESEARCH INTEREST :**(1) Broad Area : Theoretical Bioscience/Biophysics**

Topic : Modeling, Analysis and Computational Studies on Protein synthesis

Topic : Modeling and Analysis of Bone formation and Studies on Fracture healing by EM Fields

Topic : Modeling and Analysis of Complex Biological Systems with Pathogenic infection

(2) Broad Area : Condensed Matter Physics (Quantum Many-Body Theory and Statistical Mechanics)

Topic: Model studies for High T_c Superconductors

Topic: Josephson Junction Arrays and Planar Spin Models

Topic: Hubbard like Models

Ph.D. THESIS :

Title : ANISOTROPIC 3D XY MODEL AND VORTEX LOOPS: Layered 3D High T_c Superconductors and 2D Quantum Capacitive Josephson Junction Arrays.

Supervisor : Prof. Subodh R. Shenoy.

Institute : University of Hyderabad, Hyderabad-500046, INDIA.

Submitted : November, 1994.

Degree Obtained : May, 1995.

RESEARCH PROJECT**1. UGC – Minor Research Project**

Title : MODEL STUDIES ON HIGH TEMPERATURE SUPERCONDUCTIVITY

Ref. No : PSW – 25/06-07, Dated 06 November, 2006

Status : Completed

2. UGC – Minor Research Project

Title : STUDIES ON PROTEIN SYNTHESIS PHENOMENON UNDER CENTRAL DOGMA

Ref. No. : PSW – 270/15-16, Dated 19 January, 2017

Status : Getting Started with Research Work

RESEARCH EXPERIENCE :

- a. UGC Junior Research Fellow (from 9.8.89 to 8.8.91) in the School of Physics, University of Hyderabad, Hyderabad, INDIA.
- b. UGC Senior Research Fellow (from 9.8.91 to 8.8.94) in the School of Physics, University of Hyderabad, Hyderabad, INDIA.
- c. Research Fellow (from August'94 to January'95) in the School of Physics, University of Hyderabad, Hyderabad, INDIA.
- d. Postdoctoral Fellow (from 23.2.95 to 28.2.97) at the Mehta Research Institute of Mathematics and Mathematical Physics, Allahabad, INDIA (**Presently Harish Chandra Research Institute**).
- e. Postdoctoral Fellow (from 12.3.97 to 1.3.99) at the Saha Institute of Nuclear Physics, Calcutta, INDIA.
- f. CSIR-Pool Officer (SRA-Scientists' Pool Scheme) (from 01.03.1999 to 14.06.2000) at Saha Institute of Nuclear Physics, Kolkata, INDIA

TEACHING AND ALLIED ACADEMIC EXPERIENCE :

- a. Lecturer in Physics (from 16.6.2000 to 31.01.2002) at the Gangarampur College, Gangarampur, Dakshin Dinajpur District, West Bengal, INDIA.
- b. Lecturer in Physics (from 01.02.2002 to 15.06.2004) at the Barasat Govt. College, Barasat, 24 Pgs(N), Kolkata 700124, West Bengal, INDIA.
- c. Lecturer(Sr. Scale) in Physics (from 16.06.2004 to 15.06.2009) at the Barasat Govt. College, Barasat, 24 Pgs(N), Kolkata 700124, West Bengal, INDIA.
- d. Reader in Physics (from 16.06.2009 to 08.12.2010) at the Barasat Govt. College, Barasat, 24 Pgs(N), Kolkata 700124, West Bengal, INDIA.
- e. Reader in Physics (from 09.12.2010 to 15.06.2012) at the Acharya B. N. Seal College (Govt.), Cooch Behar 736101, West Bengal, INDIA
- f. Associate Professor of Physics (from 16.06.2012 to 01.03.2014) at the Acharya B. N. Seal College (Govt.), Cooch Behar 736101, West Bengal, INDIA
- g. Associate Professor of Physics (from 03.03.2014 to 07.07.2015) at the Jalpaiguri Govt. Engineering College, Jalpaiguri 735102, West Bengal, INDIA
- h. Associate Professor of Physics (from 08.07.2015 to 23.12.2015) at the Govt. College of Engineering & Ceramic Technology, 73 A. C. Banerjee Lane, Kolkata 700010, West Bengal, INDIA
- i. Associate Professor of Physics (from 24.12.2015 to 09.02.2017) at the Govt. General Degree College at Dantan-II, Paschim Medinipur District, West Bengal - 721445, INDIA.
- j. Principal (W.B.S.E.S) (from 10.02.2017 and Continuing) at the Taki Government College, North 24 Parganas District, Taki – 743429, West Bengal, INDIA.

ADMINISTRATIVE EXPERIENCE :

- a. Discharged the duty of **Registrar** (*Officiating*) at the Jalpaiguri Government Engineering College, Jalpaiguri (since 20.08.2014 to 07.07.2015) in addition to Academic duties as Associate Professor of Physics.

TALKS/SEMINARS DELIVERED :

1. "ANISOTROPIC 3D XY MODEL AND VORTEX LOOPS: Layered 3D High T_c Superconductors and 2D Quantum Capacitive Josephson Junction Arrays", (Thesis Talk) at University of Hyderabad, Hyderabad, INDIA (May, 1995).
2. "Order Parameter Symmetry in High T_c Superconductors", at Mehta Research Institute, Allahabad, INDIA (February, 1996).
3. "Quasi-2D Noncritical Signatures in Layered Superconductors from Vortex Loops in the Anisotropic 3D XY Model", at Tata Institute of Fundamental Research, Mumbai, INDIA (February, 1996).
4. "Quasi-2D Noncritical Signatures in Layered Superconductors from Vortex Loops in the Anisotropic 3D XY Model", at Indian Institute of Science, Bangalore, INDIA (February, 1996).
5. "Anisotropic 3D XY Model and Kosterlitz-Thouless Signatures in Layered Superconductors", at Banaras Hindu University, Varanasi, INDIA (March, 1996).
6. "Anisotropic 3D XY Model and Kosterlitz-Thouless Signatures in Layered Superconductors", at Visva Bharati, Santiniketan, INDIA (December, 1996).
7. "An Orbital Antiferromagnetic State in the Extended Hubbard Model", at Visva Bharati (Condensed Matter Days-1997), Santiniketan, INDIA (August, 1997).
8. "Modified Interlayer Tunneling Model for Cuprate Superconductors", Invited talk at the International Symposium of Hayashibara Forum'98, at Okayama, JAPAN (April, 1998).
9. "Mean Field T_c and Superconducting Gap within an Extended Interlayer Tunneling Model", Talk in the Invited Session, at T. M. Bhagalpur University (Condensed Matter Days-1998), Bhagalpur, INDIA (August, 1998).
10. "Vortex Loops in Anisotropic 3D XY Model", at the Saha Institute of Nuclear Physics, Calcutta, INDIA (August, 1999).
11. "Kosterlitz-Thouless signatures in Layered Superconductors", at Indian Statistical Institute, Calcutta, INDIA (December, 1999).
12. "Superconductivity: An account from its advent through twentieth century" at 58th Orientation Programme, Academic Staff College, University of Calcutta, Kolkata, INDIA, December, 2003.
13. "Vortex Loops in Planar Spin Models" at the Refresher Course in Physics, Academic Staff College, University of Calcutta, Kolkata, INDIA, November, 2006.
14. "A Population model describing Invasion of Human Immunity by the Deficiency Virus" at the Refresher Course in Physics, Academic Staff College, University of Calcutta, Kolkata, INDIA, September, 2008.
15. "Effects of Delayed Cell-Lysis in a Mathematical Model of Host Pathogen" at the 3rd International Conference on Combinatorial Optimization and Applications (COCOA'09), at Yellow Mountains, Huangshan, CHINA, June 10–12, 2009.
16. "Effects of T-cell suppression in a Mathematical Model representing Psoriatic pathogenesis at the Joint Conference of the Society for Mathematical Biology and Chinese Society for Mathematical Biology, Zhejiang University, Hangzhou, CHINA, June 14–17, 2009.
17. "A Mathematical Model of Psoriatic pathogenesis" at the 11th International Conference on Molecular Systems Biology (ICMSB'09), at Shanghai, CHINA, June 21-25, 2009.
18. "Effects of drug therapy in a time delayed model of HIV infection" at the International Conference on 'Applied Analysis and Scientific Computation' at Shanghai Normal University, Shanghai, CHINA, June 25-28, 2009.
19. "Mathematical Model Based Analysis of the Disease Psoriasis Emphasizing its Immunopathogenic

Origin” at the 3rd International Conference on Analytic Mathematics and its Application, Xinyang Normal University, Xinyang, Henan, CHINA (8-12 August, 2011).

20. “Mundane Charm of God Particles”, at the A. B. N. Seal College, Cooch Behar, as the College-Seminar organized by Research and Seminar Committee, Cooch Behar, West Bengal, India (21 August, 2012).
21. “Immunopathogenesis in Psoriasis from a Theoretical Model” UGC Sponsored National seminar on Recent Advances in Life Science Application, organized by the Postgraduate Department of Zoology, A. B. N. Seal College, Cooch Behar in collaboration with Department of Agricultural Entomology, UBKV, Pundibari, Cooch Behar, West Bengal, India (8-9 December, 2012).

CONFERENCE/SYMPOSIUM/SCHOOL/WORKSHOP PARTICIPATED :

1. VIII National Workshop (with International Participation) on "Atomic and Molecular Physics" at the University of Hyderabad, INDIA, December, 1990.
2. Solid State Physics Symposium (D.A.E, INDIA), at Banaras Hindu University, Varanasi, December, 1991.
3. Solid State Physics Symposium (D.A.E, INDIA), at S. V. University, Tirupati, December, 1992.
4. INDO-US Workshop on “Ordering Disorder”, at University of Hyderabad, INDIA, December, 1992 - January, 1993 (partly attended).
5. Discussion Meeting on “Coherent States : New Developments and Perspectives”, at University of Hyderabad, INDIA, October, 1993.
6. Solid State Physics Symposium (D.A.E, INDIA), at Bhabha Atomic Research Centre, Bombay, December, 1993.
7. Research Workshop on Condensed Matter Physics 1994, at International Centre for Theoretical Physics, Trieste, ITALY, June - August, 1994.
8. Winter School on “Some Recent Developments in Quantum Many-Body Physics”, at Indian Institute of Science, Bangalore, INDIA, December, 1994.
9. Research Workshop on Condensed Matter Physics 1995, at International Centre for Theoretical Physics, Trieste, ITALY, June - August, 1995.
10. Miniworkshop on "Quantum Incoherence and Quantum Coherence in Strongly Correlated systems", at International Centre for Theoretical Physics, Trieste, ITALY, July, 1995.
11. Miniworkshop on "Josephson Junction Arrays", at International Centre for Theoretical Physics, Trieste, ITALY, August, 1995.
12. Golden Jubilee Theoretical Physics Symposium "SUJAYATA", at Tata Institute of Fundamental Research, Mumbai, INDIA, September, 1996.
13. "Condensed Matter Days-1997" Symposium, Visva-Bharati, Santiniketan, INDIA, August, 1997.
14. "Progress and Challenges in Complexity: Physics to Biology" International Symposium of Hayashibara Forum'98, at Okayama, JAPAN, April, 1998.
15. "Condensed Matter Days-1998" Symposium, T. M. Bhagalpur University, Bhagalpur, INDIA, August, 1998.
16. "Birth Centenary Celebration of Professor K. S. Krishnan: A Symposium on Condensed Matter Physics" at the Indian Association for the Cultivation of Science, Jadavpur, Calcutta, INDIA, December, 1999.
17. "Conference on Strongly Correlated Electron Systems", at the Saha Institute of Nuclear Physics, Calcutta, INDIA, October, 2000.
18. UGC Sponsored Seminar on “Globalization : Economic, Political, Social Aspects” at Barasat Govt. College, Barasat, Kolkata, INDIA, 11 – 12 December, 2002
19. UGC Sponsored Seminar on “Global Scenario of Cyber World and Communication” New Alipore College, Kolkata, INDIA, 21 December, 2002
20. UGC Sponsored “Orientation Program” at Academic Staff College, University of Calcutta, Kolkata, INDIA, 27 Nov – 24 Dec, 2003

21. UGC Sponsored “Refresher Course in PHYSICS” at Academic Staff College, University of Calcutta, Kolkata, INDIA, 06 Nov – 25 Nov, 2006
22. UGC Sponsored Training Course “Scope of Research in Science and Engineering” at Jadavpur University, Kolkata, INDIA, 16 January, 2007.
23. UGC Sponsored Seminar “Issues of Autonomy in Government Colleges” organized by Sanskrit College, Kolkata and West Bengal Govt. College Teachers’ Association, at Kolkata, INDIA, 27 January, 2007.
24. "International Conference on Recent Developments in Theoretical Physics (THEOPHYS - 07)", at the Indian Statistical Institute, Kolkata, INDIA, 4-7 December, 2007.
25. Govt. of W.B. Sponsored Social Awareness Programme “An Endeavour towards developing Social Awareness” at Barasat Govt. College, Kolkata, INDIA, 17 – 20 March, 2008; Worked as EXECUTIVE SECRETARY of the ORGANIZING COMMITTEE
26. UGC Sponsored “Refresher Course in PHYSICS at Academic Staff College, University of Calcutta, Kolkata, INDIA, 01 Sept – 20 Sept, 2008.
27. "International Conference on Cold Atoms, 2008", at the Indian Institute of Science Education and Research, Kolkata 700106, INDIA, 12th to 16th December, 2008.
28. One Day Colloquium on *Mathematical Biology and Ecology*, at the Centre for Mathematical Biology and Ecology, Dept. of Mathematics, Jadavpur University, Kolkata, INDIA, held on 20 February, 2009.
29. The 3rd International Conference on Combinatorial Optimization and Applications (COCOA’09), at Yellow Mountains, Huangshan CHINA, June 10–12, 2009
30. Joint Conference of the Society for Mathematical Biology and Chinese Society for Mathematical Biology, Zhejiang University, Hangzhou, CHINA, June 14–17, 2009.
31. Joint Workshop on “Mathematics for the Life Sciences: Challenges and Chances” at CAS-MPG Partner Institute of Computational Biology, Shanghai, China, June 19, 2009.
32. The 11th International Conference on Molecular Systems Biology (ICMSB’09), at Shanghai, CHINA, June 21-25, 2009.
33. International Conference on “Applied Analysis and Scientific Computation” at Shanghai Normal University, Shanghai, CHINA, June 25-28, 2009.
34. UGC Sponsored National Seminar “Inclusive Education: Challenges Ahead in Gigher Education” Organised by Govt. College of Art and Craft, Kolkata and West Bengal Govt. College Teachers’ Association, 23 January, 2010.
35. UGC Sponsored State Level Seminar “Technologies of Revolution: Society, Economy and Polity”, Organized by Barasat Government College and Paschimbanga Itihaas Samsad, Kolkata, INDIA, 4 & 5 March, 2010.
36. The 3rd International Conference on Analytic Mathematics and its Applications at Xinyang Normal University, Xinyang, Henan, CHINA, August 8–12, 2011.
37. UGC Sponsored National seminar on Recent Advances in Life Science Application, organized by the Postgraduate Department of Zoology, A. B. N. Seal College, Cooch Behar in collaboration with Department of Agricultural Entomology, UBKV, Pudibari, Cooch Behar, held at Cooch Behar, India from 8-9 December, 2012.

CONSOLIDATED LIST OF PUBLICATIONS

PAPERS IN REFEREED INTERNATIONAL JOURNALS

No.	Title	Author(s)	Journal, Pages (Year) [ISSN/ISBN] [Impact Factor]
1.	Vortex Loop Crinkling in the Three Dimensional XY Model: Numerical Evidence in Support of an Ansatz	Biplab Chattopadhyay , Mangal C. Mahato and Subodh R. Shenoy	Phys. Rev. B 47 , 15159-15167 (1993) [1098-0121] [3.74]
2.	Kosterlitz-Thouless Signatures from 3D Vortex Loops in Layered Superconductors	Biplab Chattopadhyay and Subodh R. Shenoy	Phys. Rev. Lett. 72 , 400-403 (1994) [0031-9007] [7.51]
3.	Kosterlitz-Thouless Vortex-Scaling Equations with Nonzero Current Drives	S. Sujani, Biplab Chattopadhyay and Subodh R. Shenoy	Phys. Rev. B 50 , 16668-16678 (1994) [1098-0121] [3.74]
4.	Anisotropic Three Dimensional XY Model and Vortex Loop Scaling	Subodh R. Shenoy and Biplab Chattopadhyay	Phys. Rev. B 51 , 9129-9147 (1995) [1098-0121] [3.74]
5.	Fluctuation Effects and Order Parameter Symmetry in the Cuprate Superconductors	B. Chattopadhyay , D. M. Gaitonde and A. Taraphder	Europhys. Lett. 34 , 705-710 (1996) [0295-5075] [2.27]
6.	d-Wave Order Parameter in Bi2212 from a Phenomenological Model of High T _c Cuprates	Biplab Chattopadhyay	Phys. Lett. A 226 , 231-236 (1997) [0375-9601] [1.63]
7.	Phase Diagram of the Half-Filled Extended Hubbard Model in Two Dimensions	Biplab Chattopadhyay and D. M. Gaitonde	Phys. Rev. B 55 , 15364-15367 (1997); <i>ibid</i> 58 , E1689 (1998) [1098-0121] [3.74]
8.	Differential Conductance for Tunnel Junctions: Effects of d-wave Gap	Biplab Chattopadhyay , Joydev Lahiri and A. N. Das	Mod. Phys. Lett. B 11 , 1285-1294 (1997) [0217-9849] [0.69]
9.	Superconducting Gap within a Modified Interlayer Tunneling Model	Biplab Chattopadhyay and A. N. Das	Phys. Lett. A 246 , 201-207 (1998) [0375-9601] [1.63]
10.	An Orbital Antiferromagnetic State in the Extended Hubbard Model	Biplab Chattopadhyay	Indian J. Phys. 72A , 359-364 (1998) [0973-1458] [1.79]
11.	An Extended Pair Tunneling Model: Studies on Bilayer Splitting and Some Superconducting State Properties	A. N. Das and Biplab Chattopadhyay	Physica C 308 , 226-234 (1998) [0921-4534] [1.11]
12.	Effects of c-axis Hopping in the Interlayer Tunneling Model of High-T _c Layered Cuprates	Biplab Chattopadhyay and A. N. Das	Int. J. Mod. Phys. B 13 , 1619-1632 (1999) [0217-9792] [0.94]
13.	Impurity Substitution in Bismuth and Thallium Cuprates: Suppression of T _c and Estimation of Pseudogap	Biplab Chattopadhyay , B. Bandyopadhyay, Asok Poddar, P. Mandal, A. N. Das and B. Ghosh,	Physica C 331 , 38-44 (2000) [0921-4534] [1.11]
14.	Interlayer Mechanism in High-T _c Phenomenology	Biplab Chattopadhyay and A. N. Das	Indian J. Phys. 74A , 353-356 (2000) [0973-1458] [1.79]

15.	Structural Distortions and Extension of Superconducting Region in T_c - p Phase Diagram of $HgBa_2CuO_{4+d}$	B. Bandyopadhyay, B. Chattopadhyay , A. N. Das and B. Ghosh	Physica C 349 , 119-124 (2001) [0921-4534] [1.11]
16.	Effects of Co-Substitution on Superconductivity and Transport in $Tl_2Ba_2Ca_{1-x}Y_x(Cu_{1-y}Co_y)_2O_{8+d}$	Asok Poddar, Bidisa Bandyopadhyay, Biplab Chattopadhyay	Physica C 390 , 120-126 (2003) [0921-4534] [1.11]
17	Mathematical Modelling on the dynamics of CD4+T cell infection by HIV that includes a time-delay	P. K. Roy and Biplab Chattopadhyay	International Journal of Evolution Equation 4 , 227-239 (2008) [1549-2907] [NA]
18	HIV model with intracellular delay - a mathematical study	P. K. Roy, Nandadulal Bairagi, Joydev Chattopadhyay and Biplab Chattopadhyay	Proc. Of 5 th IEEE Int. Conf. on Automation Science and Engg., 373-378 (2009) [978-1-4244-4578-3] [NA]
19	Understanding the Dynamics of Epidemiological Systems with reference to a Host-Pathogen Model	Biplab Chattopadhyay	Acad. J. Aureole 1 , 66-76 (2009) [0976-9625] [NA]
20	Host Pathogen Interactions with Recovery Rate: A Mathematical Study	Priti Kumar Roy and Biplab Chattopadhyay	Proc. of the World Congress on Engineering 2010, Vol I, 521-526 (2010) [2078-0958] [NA]
21	HIV Infection in T-lymphocytes and Drug Induced CTL Response of a Time Delayed Model	Priti Kumar Roy, Amar Nath Chatterjee and Biplab Chattopadhyay	Proc. of the World Congress on Engineering 2010, Vol I, 533-538 (2010) [2078-0958] [NA]
22	Mathematical Modeling on Immunopathogenesis in Chronic Plaque of Psoriasis: A Theoretical Study	Priti Kumar Roy, Jhumpa Bhadra and Biplab Chattopadhyay	Proc. of the World Congress on Engineering 2010, Vol I, 550-555 (2010) [2078-0958] [NA]
23	Modeling the Dynamics of Psoriatic pathogenesis	Biplab Chattopadhyay	Acad. J. Aureole 2 , 15-23 (2010) [0976-9625] [NA]
24	Studies on the suppression of Immune Cells in a Model of Psoriasis Pathogenesis	Nirmalendu Hui and Biplab Chattopadhyay	Acad. J. Aureole 3 , 1-12 (2011) [0976-9625] [NA]
25	Along the Pathway through Phenomenal Evolution of Super Electrical Conductivity	Biplab Chattopadhyay	B. N. Seal Journal of Science, Vol. IV, pages 6-24 (2011) [0975-5624] [NA]
26	Immunopathogenesis in Psoriasis through a Density-type Mathematical Model	Biplab Chattopadhyay and Nirmalendu Hui	WSEAS Transactions on Mathematics 11 , 456-466 (2012) [2224-2880] [NA]
27	Realizing Bone-Mass Generation through a Density type Theoretical Archetype	Nirmalendu Hui and Biplab Chattopadhyay	Appeared in the E-print Archive No. arXiv: 1307.5833, General biology and biomathematics (2013) [NA] [NA]
28	Studies on Bone-mass Formation within a Theoretical Model	Nirmalendu Hui and Biplab Chattopadhyay	IOSR Journal of Pharmacy and Biological Sciences 9 , 07-20 (2014) [2319-7676] [1.138]
29	Evolution through Cognitive Processes: Implicative assertions for Knowledge Development and Social Changes	Biplab Chattopadhyay	International Journal of Current Trends in Science and Technology 8 , 20557-20563 (2018) [0976-9730] [NA]

PAPERS IN SYMPOSIA/WORKSHOPS/CONFERENCES

No.	Title	Author(s)	Proceedings, Pages (Year)
1.	Folding of Vortex Loops in 3D XY Model,	Biplab Chattopadhyay and Subodh R. Shenoy	Proc. of SSP Symposium (DAE, INDIA) 34 C, 369 (1991).
2.	Hysteresis in a Field-Swept Landau Potential with Coloured Noise	Biplab Chattopadhyay , Mangal C. Mahato and Subodh R. Shenoy	Proc. of SSP Symposium (DAE, INDIA) 35 C, 411 (1992).
3.	Phase Transition in the Anisotropic 3D XY Model	Biplab Chattopadhyay and Subodh R. Shenoy	Proc. of SSP Symposium (DAE, INDIA) 36 C, 98 (1993)
4.	Quasi Two Dimensional Signatures in Layered Superconductors	Biplab Chattopadhyay and Subodh R. Shenoy	Proc. of SSP Symposium (DAE, INDIA) 36 C, 349 (1993)
5.	Two Dimensional Planar Spin Model With an External Current Drive	Biplab Chattopadhyay S. Sujani and Subodh R. Shenoy	Proc. of SSP Symposium (DAE, INDIA) 37 C, 19 (1994)
6.	Zero Temperature Coherence Breaking in 2D Quantum Capacitive JJA	Biplab Chattopadhyay and Subodh R. Shenoy	Proc. of SSP Symposium (DAE, INDIA) 37 C, 343 (1994)
7.	Quantum Fluctuations in 2D Quantum Capacitive Josephson Junction Arrays	Biplab Chattopadhyay and Subodh R. Shenoy	Presented in the Mini workshop on Josephson Junction Arrays" at ICTP, Trieste, Italy, (August, 1995)
8.	A Phenomenological Model of Cuprate Superconductors: Fluctuations Effects and a d-wave Order Parameter	Biplab Chattopadhyay	Proc. of SSP Symposium (DAE-INDIA) 39 C, 346 (1996)
9	Modified Interlayer Tunneling Model for Cuprate Superconductors	Biplab Chattopadhyay	Proc. Of the International Symposium, Hayashibara Forum'98, JAPAN, page 61,(1998)
10.	Pseudogap in Bilayer Bismuth and Thallium Cuprates from Cobalt Impurity Substitution Studies,	Biplab Chattopadhyay , B. Bandyopadhyay, A. N. Das and B. Ghosh	Proc. of the ``Conference on Strongly Correlated Electron Systems", (S.I.N.P, Calcutta, INDIA, page 26), (2000)
11	Mathematical model based analysis of the disease Psoriasis emphasizing its immunopathogenic origin	Biplab Chattopadhyay	Proc. of the 3 rd International Conference on Analytic Mathematics and its Application, (at Xinyang Normal University, Xinyang Henan, China, 8-12 August, 2011), page 19 (2011)

BOOKS PUBLISHED/EDITED

1. **OBJECTIVE ARTICULATION FROM SOCIO-ACADEMIC SPECTRUM** (A Collection of Writings);
Editors: BIPLAB CHATTOPADHYAY, PRITI KUMAR ROY, CHANDANA DUTTA AND RUPA BANERJEE, Published in March 2008, in connection with the programme “An Endeavour towards Developing Social Awareness” Held at Barasat Government College, 17-20 March 2008.
2. **AUREOLE – An Academic Journal (ISSN 0976 – 9625)**, A Publication on Humanities, Science and Social Sciences, **Executive Editor: DR. BIPLAB CHATTOPADHYAY;** Published by: Barasat Government College (For years 2009 to 2011) [**Total 4 Issues**].

PAPERS IN PROCEEDING-JOURNALS/BOOKS

No.	Title	Author(s)	Proceedings, Pages (Year)
1.	Pair Tunneling Model of High- T_c Cuprates with Interlayer Single Particle Hopping <i>High-T_c Superconductors,</i>	Biplab Chattopadhyay and A. N. Das	Proceedings of the 12 th Anniversary HTS Works-hop, Rajshahi, ed. A.K. M. A. Islam, Rajshahi University, Bangladesh, 1998), pages 381-392.
2.	Electrical Conductivity : The Super-Dream Coming True ?	Biplab Chattopadhyay	FOCUS – The Journal of Pure and Applied Science, published by Science Deptts of Derozio Memorial College, Kolkata (2005)
3	Nuclear Energy, Boon-o-Blasphemous Faces of Science and Further (A Socio-Critical Analysis of Indo-US Nuke Deal)	Biplab Chattopadhyay and Priti Kumar Roy	Published in the book Objective Articulation From Socio-Academic Spectrum , Editors: Biplab Chattopadhyay, Priti Kumar Roy, Chandana Dutta and Rupa Banerjee, pages 1–10 (2008)
4	The Suppressed Human Face at The Helm Of India-Shining: A Journey for two Decades,	Priti Kumar Roy and Biplab Chattopadhyay	Published in the book Objective Articulation From Socio-Academic Spectrum , Editors: Biplab Chattopadhyay, Priti Kumar Roy, Chandana Dutta and Rupa Banerjee, pages 30–35 (2008)