<u>CURICULUM VITAE</u>

(a) Full Name   : Dr. Susmita Bandyopadhyay

(b) Residential Address   : GeetaBhaban, Baikuntha Ghosh Lane, Jyangra
                                        Ghosh Para, Baguiati, Kolkata, Pin - 700059

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(d) Current Designation   : Assistant Professor

(e) Passport Number   : H3239203 (Date of Issue: 19/02/2009)
   PAN Number   : AIPPB2444Q
   Voter ID Number   : GGC1498096

(f) Professional Qualifications   : Ph.D., M.Tech., MBA, MCA, DOEACC B
                                                         Level

(g) Fellowship, Awards, if any   : 1) GATE Scorer, 2) CAT Scorer
            ** AICTE Scholarship (in M.Tech., through GATE score)
            ** State Scholarship (Senior Research Fellow – SRF) (in Ph.D.)

(h) Details of Extracurricular Activities:
   1) Music Diplomas in Vocal Classical Music and Nazrul Geeti both with Distinction
   2) First Aid Diploma with Distinction
   3) All India Radio artist ('B' grade)
   4) Won first prizes in some music competitions.

(i) Experience with complete details :
   Teaching: 8 years
   Industrial: 5 years 5 months
   Research: 4 years

(j) Additional Experience:

- Member of BOS for MBA department of The University of Burdwan
- Member of Syllabus Committee for Pharmaceutical Management of West Bengal University of Technology
- Experience of being Examiner of several subjects in West Bengal University of Technology from 2002 to 2005
- Experience of being Examiner of Business Statistics in IMS Unison University, Dehradun-248009 in 2013
- Paper Setter of Business Statistics for BBA and Integrated MBA, IMS Unison University, Dehradun-248009 in 2013
- Prepared study material of Introduction to IT for UGC-Academic Staff College, Jadavpur University in 2005
- Worked as Lecturer-In-Charge in Dumkal Institute of Engineering and Technology, West Bengal for 2 years 7 months, from 2002 to 2005
- Worked as a Hostel Superintendent in Dumkal Institute of Engineering and Technology, West Bengal for 2 months in 2002 (additional charge)

- Working as a Music Coordinator in IMS Unison University, Dehradun-248009 in 2013 (additional responsibility)

(k) Present Position:
   a) Working as an Assistant Professor in IMS Unison University, Makkawala Greens, Mussoorie Diversion Road, Dehradun-248009
   b) **Reviewer** of 6 reputed International journals;
   c) Publishing research papers in international journals under Prof. Dr. Ranjan Bhattacharya, Dept. of Production Engg., Jadavpur University; Several papers are "under review" in various International journals.

(l) List of Publications:

1) An improved strategy to solve shop deadlock problem based on the study on existing benchmark recovery strategies (2010); Ranjan Bhattacharya & **Susmita Bandyopadhyay**; **International Journal of Advanced Manufacturing Technology** (Impact factor: 1.103; ISSN: 0268-3768 (print version); ISSN: 1433-3015 (electronic version))**,** Volume 47 (1-4), Issue 1-4, pp. 351-364. (Received 1 citation)

2) Solving conflicting bi-objective facility location problem by NSGA II evolutionary algorithm (2010); Ranjan Bhattacharya & **Susmita Bandyopadhyay**; **International Journal of Advanced Manufacturing Technology** (Impact factor: 1.103; ISSN: 0268-3768 (print version); ISSN: 1433-3015 (electronic version)); Volume 51 (1-4), pp. 397 – 414. (Received 15 citations)

3) A review of the causes of bullwhip effect in a supply chain (2011); Ranjan Bhattacharya & **Susmita Bandyopadhyay**; **International Journal of Advanced Manufacturing Technology** (Impact factor: 1.103; ISSN: 0268-3768 (print version); ISSN: 1433-3015 (electronic version)); Volume 54, pp. 1245-1261. (Received 27 citations)

4) Applying Modified NSGA-II for Bi-Objective Supply Chain Problem (2011); **Susmita Bandyopadhyay** & Ranjan Bhattacharya; Journal of Intelligent Manufacturing Systems (Impact factor: 1.081; ISSN: 0956-5515); 24(4): 707-716. DOI: 10.1007/s10845-011-0617-2. (Received 4 citations)

5) Solving a Tri-Objective Supply Chain Problem with modified NSGA-II Algorithm (2013); **Susmita Bandyopadhyay** & Ranjan Bhattacharya; Journal of Manufacturing Systems (Impact Factor: 1.072; ISSN: 0278-6125); Volume 33 (1), 33-50; DOI: 10.1016/j.jmsy.2013.12.001
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6) Solving Multi-Objective Parallel Machine Scheduling Problem by a Modified NSGA-II (2013); **Susmita Bandyopadhyay** & Ranjan Bhattacharya; Applied Mathematical Modelling (Impact Factor: 1.534; ISSN: 0307-904X), Volume 37, Issue 10-11, pp. 6718-6729. DOI: 10.1016/j.apm.2013.01.050 ((Received 2 citation)

7) A Generalized Measure of Bullwhip Effect in Supply Chain with ARMA Demand Process under Various Replenishment Policies (2013); **Susmita Bandyopadhyay** & Ranjan Bhattacharya; International Journal of Advanced Manufacturing Technology (Impact Factor: 1.103; ISSN: 0268-3768 (print version); ISSN: 1433-3015 (electronic version)); Volume 68(5-8): 963-979; DOI: 10.1007/s00170-013-4888-y; ((Received 2 citation)

8) Finding Optimum Neighbor for Routing Based on Multi-Criteria, Multi-Agent and Fuzzy Approach (2013); Susmita Bandyopadhyay & Ranjan Bhattacharya; Journal of Intelligent Manufacturing (Impact factor: 1.081; ISSN: 0956-5515); DOI: 10.1007/s10845-013-0758-6.

9) Modified NSGA-II for a Bi-Objective Job Sequencing Problem (2012) **Susmita Bandyopadhyay**; Intelligent Information Management (ISSN Print: 2160-5912; ISSN Online: 2160-5920) 4(6), pp. 319-329; DOI: 10.4236/iim.2012.46035.

10) Proposing a Modified Dijkstra's Algorithm (2013) **Susmita Bandyopadhyay** & Arnab Das; American Journal of Mathematics and Sciences (ISSN No.: 2250-3102); Volume 2, Issue 1, pp. 29-35.

11) A Bi-Objective Stage Shop Scheduling Problem with Modified NSGA-II and Modified MOPSO (2015) Susmita Bandyopadhyay & Ranjan Bhattacharya; Asian Journal of Research in Business Economics and Management (Impact Factor: 0.376, ISSN: 2249-7307 (online); 2250-1673 (print). This paper has just been accepted.

12) A Novel Multi-Objective Evolutionary Algorithm (2013). Susmita Bandyopadhyay, Ranjan Bhattacharya, Abu Bashar; Pragyaan Journal of Information Technology (ISSN: 0974-5513), Volume 11, Issue 2, pp. 24-29.

13) On some aspects of benchmark deadlock recovery strategies; **Susmita Bandyopadhyay** & Ranjan Bhattacharya; **National Conference** On Recent Advances in Manufacturing Technology and Management (RAMTM – 2010) Venue: Jadavpur University, Kolkata; 19 - 20 February, 2010; pp. 324 – 332.

14) Locating Distribution Centers in a Supply Chain: A Multi-Objective Approach; **Susmita Bandyopadhyay** & Ranjan Bhattacharya; **International Conference on Mathematical Modeling and Applications to Industrial Problems (MMIP 2011);** Venue: National Institute of Technology, Calicut; 28-31 March, 2011, ISBN: 978-935-059-024-9**.**

15) Solving Bi-Objective Supply Chain Problem by NSGA-II Evolutionary Algorithm; **Susmita Bandyopadhyay** & Ranjan Bhattacharya; **International Conference on Industrial Engineering (ICIE 2011)**; Venue: National Institute of Technology, Surat, Gujrat; November 17-19, 2011, pp. 611-616, **ISBN: 978-93-81361-54-2**.

16) Solving tri-objective job sequencing problem by NSGA-II; **Susmita Bandyopadhyay** & Ranjan Bhattacharya; **International Conference on Advances in Supply Chain and Manufacturing Management (ASCMM**

2011); Venue: Indian Institute of Technology, Kharagpur, West Bengal; December 16-18, 2011.

17) Solving a Tri-Objective Supply Chain Problem by NSGA-II Evolutionary Algorithm; **Susmita Bandyopadhyay** & Ranjan Bhattacharya; International Conference on Dynamical Systems (ICDS) 2012, January 11-14, 2012, Jadavpur University, Jadavpur, Kolkata, India.

18) NSGA-II Based Multi-Objective Evolutionary Algorithm for a Multi-Objective Supply Chain Problem; **Susmita Bandyopadhyay** & Ranjan Bhattacharya; **IEEE-International Conference** on Advances in Engineering, Science and Management (ICAESM 2012), March 30-31, 2012, Nagapaqttinam, Tamnil Nadu, India, pp.126-130; ISBN: 978-81-909042-2-3.

19) Performance Measures of Various Supply Chains: A Review; Susmita Bandyopadhyay & Ashutosh Verma; AICTE Sponsored National Seminar on Innovation in ICT: Implications for Business Organizations; July 19-20, 2013, IMS Unison University, Dehradun, India.

20) A Novel Multi-Objective Evolutionary Algorithm; Susmita Bandyopadhyay & Ranjan Bhattacharya; AICTE Sponsored National Seminar on Innovation in ICT: Implications for Business Organizations; July 19-20, 2013, IMS Unison University, Dehradun, India.

(m) Seminars Attended

1) India @75; Organizer: Confederation of Indian Industry; August 19, 2008, The Park, Kolkata.
2) Energy Enclave 2009; Organizer: Confederation of Indian Industry; February 3-4, 2009, Kolkata.
3) Industrial Safety; Organizer: Confederation of Indian Industry; November, 2009, Kolkata.
4) Seminar at DIET; **Presented Paper: Mathematics and Music**; October 18-19, 2003, Dumkal Instt. Of Engg. & Technology, Murshidabad, West Bengal.
5) National Seminar on Corporate India 2020: Emerging Business Dynamics, June 6-7, 2014, Organized by: IMS Unison University, Dehradun-248009; Presented Paper: A Multi-Objective Supply Chain Problem with modified NSGA-II Algorithm

(n) Additional Achievements:
  1) Reviewer of the following reputed International journals:

  i)   International Journal of Advanced Manufacturing Technology (Springer)
  ii) European Journal of Operational Research (Elsevier)
  iii) IEEE Transactions on Engineering Management (IEEE)
  iv) Journal of Intelligent and Robotic System (Springer)
  v)   British Journal of Mathematics and Computer Science
  vi) International Journal of Operational Research Society
  vii) Journal of Operations Research Society

  2) Reviewed one book proposal for Bentham Science Publishers

3) Chaired one session titled as "Logistics and Supply Chain Management" in International Conference on Industrial Engineering (ICIE 2011); Venue: National Institute of Technology, Surat, Gujrat; November 17-19, 2011.

(o) Book Chapter Published

1) On Some Aspects of Nature-Based Algorithms to Solve Multi-Objective Problems; **Susmita Bandyopadhyay** & Ranjan Bhattacharya; Artificial Intelligence, Evolutionary Computation and Metaheuristics, Xin-She Yang (Ed.), Studies in Computational Intelligence, Volume 427, Springer 2013, pp. 477-524; ISSN: 1860-949X, ISBN: 978-3-642-29693-2.

2) Proposing Modified NSGA-II to Solve a Job Sequencing Problem; **Susmita Bandyopadhyay** & Arnab Das; Proceedings of International Conference on Advances in Computing, Advances in Intelligent Systems and Computing; Aswatha Kumar M. et al. (Eds.), Springer India 2013, Volume 174, pp. 387-392, Print ISBN: 978-81-322-0739-9; Online ISBN: 978-81-322-0740-5. (Received 1 citation)

3) Locating Distribution Centers in a Supply Chain: A Multi-Objective Approach; **Susmita Bandyopadhyay** & Ranjan Bhattacharya; Mathematical Modelling and Applications to Industrial Problems; M. J. Jacob and S. Panda (Ed.); Macmillan Advanced Research Series, Macmillan Publishers India, 2012; ISBN: 978-935-059-024-9; PP. 258-269.

(p) Book Published:
Title: Discrete and Continuous Simulation: Theory and Practice; Publisher: CRC Press, Florida (Taylor & Francis Group); Book ID: K20774; ISBN: 9781466596399

(q) Title of Thesis:
1) Title of Ph.D. Thesis: Modeling Manufacturing Systems for Supply Chain Based on Multi-Objective / Multi-Criteria Optimization Approach
2) Title of M.Tech. Thesis: On Some Aspects of Deadlock Handling: An Aggregated View

(r) Membership of learned society and / or professional bodies: Membership of USIS library

(s) Faculty Development Programme (FDP) Attended: "Research Methods and Data Analysis Tools" (AICTE sponsored); Organized By: Institute of Management Studies, Makkawala Greens, Mussoorie Diversion Road, Dehradun-248009; June 17-29, 2013.