Curriculum Vitae

♦ Personal Details:

• **Name**:   Prof. Sushanta Kumar Mohanta

• **Designation**:   Professor

• **Address for Communication**:

                       Department of Mathematics
                       West Bengal State University, Barasat
                       Kolkata - 700126, INDIA
                       Mobile : +919434997803
                       Email: smwbes@yahoo.in

• **Teaching Experience**: **22** years

• **Specialization**: Functional Analysis and Operator Theory

• **Courses Taught**: Real Analysis, Functional Analysis, Banach Algebra, Operator Theory, Graph Theory.

♦ Areas of Research interest:
Functional Analysis, Fixed Point Theory, Operator Theory, Bitopological Spaces.

♦ Education:
- Ph.D (Sc., Mathematics), The University of Burdwan, India, 2007.
- M. Sc. in Pure Mathematics, Department of Mathematics, The University of Burdwan, 1994.

♦ Professional History :

07.04.2009 – Present
- West Bengal State University, Barasat, Kolkata, India

14.02.2008 – 06.04.2009
- Senior Lecturer in Mathematics at Hooghly Mohsin College, (W.B.E.S.), West Bengal

01.10.2002 –13.02.2008
- Lecturer in Mathematics at Haldia Government College, (W.B.E.S.), West Bengal

02.01.2001 – 30.09.2002
- Lecturer in Mathematics at Raja Rammohun Roy Mahavidyalaya (Govt. Sponsored), Radhanagar, Nangulpara, Hooghly, West Bengal

June, 2011 – December, 2011
- Guest faculty of Narasinha Dutt College (P.G. Section)

♦ Awards :

- Graduate Aptitude Test in Engineering (GATE)-1995, 1996
- National Eligibility Test (NET) – 1998 in Mathematical Sciences
- *Junior Research Fellow* in the Department of Mathematics, The University of Burdwan for two years, since April 1996. S*enior Research Fellow* in the above mentioned department from April 1998 for nine months.

♦ Doctoral Guidance :
- Completed: 02
- Thesis Submitted : 01
- Ongoing: 04

♦ Professional Recognitions :
- Reviewer, Mathematical Reviews, USA w.e.f. 17.09.2019

♦ Article Reviews : 27

♦ Thesis Evaluated : 01

♦ Project Completed/ Evaluated :
Principal Investigator of a Minor Research Project (UGC) for the period 22.12.2006-21.12.2008.

♦ Academic Memberships:
- Calcutta Mathematical Society (Life Member)

♦ Conference/Workshop Attended : 29

♦ Conference/Workshop Presentation : 17

♦ Invited Lectures : 03

♦ Chaired session in conferences/ webinars : 02

♦ Orientation programme/ Refresher Course attended : 05

♦ Worked as Subject Expert (CAS, Selection Committee etc.) : 21

♦ University/Departmental Activities :

- In Charge of Head of the Department of Mathematics, West Bengal State University (11.12.2015-10.12.2017)
- Worked as Convener of Board of Research Studies, Chairperson of UG Board of Studies, Department of Mathematics, West Bengal State University (11.12.2015-10.12.2017)
- Worked as Member of Court, West Bengal State University (11.12.2015-10.12.2017)
- Conducted National Seminar on "Analysis & Applications: Celebrating 100 years of the General Theory of Relativity" organized by Department of Mathematics, West Bengal State University from March 10-11, 2016 as Convener.
- Conducted National Webinar on "Recent Advances in Mathematics", organized by Department of Mathematics, West Bengal State University on 24th August, 2020 as Secretary.
- Conducted National Webinar on "Mathematical Modeling: Theory and Applications", organized by Department of Mathematics, West Bengal State University on 28th August, 2020 as Secretary.

♦ Research Publications:

1. **Sushanta Kumar Mohanta** and Ratul Kar, Some topological aspects and characterization of completeness in dualistic partial metric spaces, Journal of Advanced Mathematical Studies, Vol. 15, no. 4, November, 2022, pp 430-443, ISSN 2065-3506(p), ISSN 2065-5851(e), Romania.

2. **Sushanta Kumar Mohanta** and Priyanka Biswas, C*-Algebra valued partial metric space and some fixed point and coincidence point results, International Journal of Nonlinear Analysis and Applications, Vol. 13, issue 2, 2022, pp. 1535-1551, ISSN:2008-6822, Iran,

3. **Sushanta Kumar Mohanta** and Priyanka Biswas, A characterization of 0-completeness in partial metric spaces, Scientific Studies and Research, Series Mathematics and Informatics (SSRSMI), Vol. 31(2021), no. 1, pp 89-106, ISSN: 2067-3566 (print), 2457-497X (online), Romania.

4. **Sushanta Kumar Mohanta** and Deep Biswas, Coincidence points and common fixed points for graph preserving mappings on m-metric spaces, Indian Journal of Mathematics, Vol. 63, no. 3, 2021, pp. 323-351, ISSN: 0019-5324, UP, India.

5. **Sushanta Kumar Mohanta** and Priyanka Biswas, Common fixed point results for generalized cyclic contraction pairs involving control functions on partial metric spaces, Journal of Nonlinear Analysis and Optimization: Theory & Applications, Vol.12, no.2, 2021, pp. 61-81, ISSN:1906-9605, Thailand.

6. **Sushanta Kumar Mohanta** and Ratul Kar, Hybrid pair of Suzuki-type contractions and related coincidence point results, Applied Mathematics E-Notes (AMEN), Vol. 21, 2021, pp. 660-668, ISSN:1607-2510, Taiwan**.**

7. **Sushanta Kumar Mohanta** and Shilpa Patra, Coincidence point results for different types of H_b^+ -contractions on m_b -metric spaces, Sahand Communications in Mathematical Analysis (Sahand Commun. Math. Anal.), Vol. 18, no. 2, May (2021), pp. 1-31, Online ISSN: 2423-3900; Print ISSN: 2322-5807, Iran, DOI: 10.22130/scma.2020.131553.836

8. **Sushanta Kumar Mohanta**, Generalized cyclic contractions and coincidence points involving a control function on partial metric spaces, Arab Journal of Mathematical Sciences, Vol. 26 , issue 2 (2020), pp. 1-18, ISSN: 1319-5166, e-ISSN: 2588-9214, Saudi Arabia, https://www.emerald.com/insight/1319-5166.htm

9. **Sushanta Kumar Mohanta** and Priyanka Biswas, Cyclic contractions and coincidence points via comparison and (w)-comparison functions on partial metric spaces, Communications in Optimization Theory, Vol. 2020 (2020), Article ID 23, pp. 1-19 , ISSN: (online) 2051-2953, UK, https://doi.org/10.23952/cot.2020.23

10. **Sushanta Kumar Mohanta** and Shilpa Patra, Coincidence points for graph preserving generalized almost F-G-contractions in b-metric spaces, Nonlinear Studies, Vol. 27, no. 4 (2020), pp. 897-914, ISSN: 1359-8678(p), 2153-4373(e), USA.

11. **Sushanta Kumar Mohanta** and Deep Biswas, Characterization of completeness for m-metric spaces and a related fixed point theorem, The Journal of Analysis, ISSN: 0971-3611, Tamil Nadu, India, Vol. 29, 2021, pp. 701-711, https://doi.org/10.1007/s41478-020-00275-5

12. **Sushanta Kumar Mohanta** and Shilpa Patra, Coincidence Points for Three Self Mappings Satisfying $F(\psi,\varphi)$ - Contractions in m-metric Spaces, Applied Mathematics E-Notes (AMEN), Vol. 20, 2020, pp. 308-315, ISSN:1607-2510, Taiwan**.**

13. **Sushanta Kumar Mohanta** and Deep Biswas, Coincidence Point Results for Graph Preserving Hybrid Pair of Mappings, International Journal of Nonlinear Analysis and Applications, Vol. 11, issue 2, 2020, pp. 409-424, ISSN:2008-6822, Iran.

14. **Sushanta Kumar Mohanta** and Ratul Kar, Common Fixed Point Results for Graph Preserving Mappings in Parametric N_b -Metric Spaces, Journal of Linear and Topological Algebra(JLTA), Vol. 09, no. 02, 2020, pp. 165-183, ISSN:2252-0201, E-ISSN:2345-5934, Iran.

15. **Sushanta Kumar Mohanta** and Ratul Kar, Some new coincidence point results for single-valued and multi-valued mappings in b-metric spaces via digraphs, Matematychni Studii, Vol. 53, no.1 (2020), pp. 69-84 , ISSN: 2411-0620(online), 1027-4634(print), Ukraine.

16. **Sushanta Kumar Mohanta** and Deep Biswas, Fixed Point Results for Generalized ntraction Mappings and Cyclical Mappings in b-metric Spaces Endowed with a digraph, Annals of West University of Timisoara-Mathematics and Computer Science, Vol. LVII, no. 2(2019), pp. 86-102, ISSN: 1841-3293, Poland.

17. **Sushanta Kumar Mohanta** and Deep Biswas, Some topological aspects in m-metric Spaces, Scientific Studies and Research, Series Mathematics and Informatics (SSRSMI), Vol. 29, no. 2 (2019), pp. 33-50, ISSN: 2067-3566 (print), 2457-497X (online), Romania.

18. **Sushanta Kumar Mohanta** and Shilpa Patra, Huber's Theorem and some results in bispaces, Journal of Advanced Studies in Topology, Vol. 10, no. 2 (2019), pp 25-34, ISSN: 2090-8288 (Print), ISSN 2090-388X (Online), Egypt.

19. **Sushanta Kumar Mohanta,** Coincidence Point and Common Fixed Point results for a Hybrid Pair of Mappings Via Digraphs, Matematicki Vesnik, Vol. 71, no. 3 (2019), September 2019, pp 230-243 , **ISSN:** 0025-5165 (Print), ISSN 2406-0682 (Online), Serbia.

20. **Sushanta Kumar Mohanta**, Coincidence Point and Common Fixed Point Theorems in Cone b-metric Spaces, Journal of Nonlinear Analysis and Optimization: Theory & Applications, Vol. 9, no. 1, 2018, pp. 1-11, ISSN:1906-9605, Thailand.

21. **Sushanta Kumar Mohanta,** Common Fixed Point Results in C^*-Algebra Valued b-Metric Spaces Via Digraphs, CUBO A Mathematical Journal, Vol. 20, no. 01, March, 2018, pp. 41-64, ISSN: 0719-0646, Chile.

22. **Sushanta Kumar Mohanta** and Deep Biswas, Common Fixed Points for a Pair of Mappings in b-metric Spaces Via Digraphs and Altering Distance Functions, Journal of Linear and Topological Algebra, Vol.07, no. 03 (2018), pp 201-218 , ISSN:2252-0201, E-ISSN:2345-5934, Iran.

23. **Sushanta Kumar Mohanta** and Deep Biswas, Common Fixed Points Via b-simulation Functions and Digraphs, Nonlinear Studies, Vol. 25, no. 2 (2018), pp. 345-357, **ISSN:** 1359-8678(p), 2153-4373(e), USA.

24. **Sushanta Kumar Mohanta,** Fixed Points in C^*-Algebra Valued b-Metric Spaces endowed with a Graph, Mathematica Slovaca, Vol. 68, issue 3, pp. 639-654, ISSN(online):1337-2211, ISSN(print):0139-9918, Slovakia.

25. **Sushanta Kumar Mohanta** and Shilpa Patra, Coincidence Points and Common Fixed Points for Hybrid Pair of Mappings in b-Metric Spaces Endowed with a Graph, Journal of Linear and Topological Algebra(JLTA), Vol. 06, no. 04, 2017, pp. 301-321, ISSN:2252-0201, E-ISSN:2345-5934, Iran.

26. **Sushanta Kumar Mohanta** and Shilpa Patra, Picard Operators in b-Metric Spaces Via Digraphs, Bulletin of Mathematical Analysis and Applications, Vol. 9, issue 3, 2017, pp. 42-51, ISSN:1821-1291, Republic of Kosova.

27. **Sushanta Kumar Mohanta,** Coincidence Point and Common Fixed Point Results Via Scalarization Function, International Journal of Nonlinear Analysis and Applications, Vol.7, no. 2, 2016, pp. 77-91, ISSN: 2008-6822, Iran.

28. **Sushanta Kumar Mohanta**, Some Fixed Point Theorems in Cone Modular Spaces with a Graph, Bolletino dell Unione Matematica Italiana, June, 2016, 22 pages, ISSN 1972-6724, Italy, DOI 10.1007/s40574-016-0086-9

29. **Sushanta Kumar Mohanta,** Common Fixed Points in b-Metric Spaces Endowed with a Graph, Matematicki Vesnik, Vol. 68, no. 2 (2016), pp. 140–154, ISSN 0025-5165 (Print), ISSN 2406-0682 (Online), Serbia.

30. **Sushanta Kumar Mohanta,** Coincidence Points and Common Fixed Points for Expansive Type Mappings in b-Metric Spaces, Iranian Journal of Mathematical Sciences and Informatics, Vol. 11, no. 1 (2016), pp 101-113, ISSN 1735-4463, e-ISSN 2008-9473, DOI: 10.7508/ijmsi.2016.01.009, Iran.

31. **Sushanta Kumar Mohanta,** Fixed Points Via wt-Distance in b-Metric Spaces Endowed with a Graph, Journal of Nonlinear Analysis and Optimization: Theory & Applications, Vol.6, no. 2, 2015, pp. 31-42, ISSN:1906-9605, Thailand.

32. **Sushanta Kumar Mohanta** and Rima Maitra**,** Some Fixed Point Results for Ćirić Operators in b-Metric Spaces, Journal of Nonlinear Analysis and Optimization: Theory & Applications, Vol.6 , no. 2 , 2015, pp. 115-126, ISSN:1906-9605, Thailand.

33. **Sushanta Kumar Mohanta,** Some Fixed Point Theorems Using wt-Distance in b-Metric Spaces, Fasciculi Mathematici, no. 54, 2015, pp. 125-140, ISSN :0044-4413, Poland.

34. **Sushanta Kumar Mohanta** and Rima Maitra, Some Common Fixed Point Theorems Via Generalized c-Distance, Kyungpook Mathematical Journal, Vol. 55, no 1, 2015, pp. 205- 218, ISSN:1225-6951, Korea.

35. **Sushanta Kumar Mohanta** and Rima Maitra**,** Coupled Coincidence Point Theorems for Maps Under a New Invariant Set in Ordered Cone Metric Spaces, International Journal of Nonlinear Analysis and Applications, Vol. 6, no. 1, 2015, pp. 140-152, ISSN:2008-6822, Iran.

36. **Sushanta Kumar Mohanta** and Rima Maitra, Coincidence Points and Common Fixed Points for Expansive Type Mappings in Cone b-Metric Spaces, Applied Mathematics E-Notes (AMEN), Vol. 14, 2014, pp. 200-208, ISSN:1607-2510, Taiwan.

37. **Sushanta Kumar Mohanta**, Coupled Coincidence Points for Generalized (ψ, φ)-Pair Mappings in Ordered Cone Metric Spaces, CUBO, A Mathematical Journal, Vol.16, no. 02, June, 2014, pp. 135-148, ISSN: 0719-0646, Brazil.

38. **Sushanta Kumar Mohanta** and Rima Maitra**,** Generalized c-Distance and a Common Fixed Point Theorem in Cone Metric Spaces, General Mathematics Notes, Vol. 21, no. 1, March 2014, pp. 10-26, ISSN: 2219-7184, Jordan.

39. **Sushanta Kumar Mohanta** and Srikanta Mohanta, Some Fixed Point Results for Mappings in G-Metric Spaces, Demonstratio Mathematica, Vol. 47, no. 1, 2014, pp. 179-191, ISSN: 0420-1213, Poland.

40. **Sushanta Kumar Mohanta,** Common Fixed Points for Generalized Weakly Contractive Mappings in G- Metric Spaces, International Journal of Mathematics Trends and Technology, Vol. 5, January, (2014), no. 1, pp. 88-96, ISSN: 2231-5373, India.

41. **Sushanta Kumar Mohanta,** Some Fixed Point Theorems Via Generalized c-Distance in Ordered Cone Metric Spaces, Advances in Fixed Point Theory, Vol. 4 (2014), no. 1, pp.102-116, ISSN: 1927-6303, UK.

42. **Sushanta Kumar Mohanta** and Rima Maitra, Common Fixed Points for φ-pairs in Complex Valued Metric Spaces, International Journal of Mathematics and Computer Research, ISSN: 2320-7167, Vol. 1, Issue 9, Oct, 2013, pp. 251-256, M.P, India.

43. **Sushanta Kumar Mohanta**, Existence of Fixed Points in Complete G-metric spaces, International Journal of Mathematics and Computer Research, ISSN: 2320-7167, Vol. 1, Issue 5, June, 2013, pp. 145-156, M.P, India.

44. **Sushanta Kumar Mohanta** and Rima Maitra, A Characterization of Completeness in Cone Metric Spaces, Journal of Nonlinear Sciences and Applications, Vol. 6, Issue 3, 2013, ISSN: 2008-1901, pp. 227-233, Ireland.

45. **Sushanta Kumar Mohanta** and Srikanta Mohanta, A Common Fixed Point Theorem in G-Metric Spaces, CUBO, A Mathematical Journal, Vol. 14(03). October 2012, pp. 85-101, ISSN: 0719-0646, Brazil.

46. **Sushanta Kumar Mohanta** and Rima Maitra, Common Fixed Points of Three Self Mappings in Complex Valued Metric Spaces, International Journal of Mathematical Archive, Vol.3(8), 2012, pp. 2943-2950, India, ISSN: 2229-5046.

47. **Sushanta Kumar Mohanta**, Some Fixed Point Theorems on G-Expansive Mappings, Kyungpook Mathematical Journal, Vol. 52(2), 2012, pp. 155-165, ISSN:1225-6951, Korea.

48. **Sushanta Kumar Mohanta**, Convex Cone Metric Spaces and Fixed Point Theorems of Nonself Mappings, Asian Journal of Current Engineering & Maths, Vol. 1, no. 3, May-June (2012), pp. 148-153, India, ISSN : 2277-4920.

49. **Sushanta Kumar Mohanta**, Some Fixed Point Theorems in G-Metric Spaces, Analele Stiintifice Ale Universitatii Ovidius Constanta-Seria Mathematica, Vol. 20(1), 2012, pp. 285-306, ISSN: 1224-1784, Electronic ISSN: 1844-0835, Romania.

50. **Sushanta Kumar Mohanta**, Common Fixed Points for Mappings in G-Cone metric Spaces, Journal of Nonlinear Analysis and Application, Vol. 2012, year 2012, Article ID jnaa-00120, doi:10.5899/ 2012/ jnaa-00120, 13 pages, ISSN:2193-3472, Germany.

51. **Sushanta Kumar Mohanta**, Common Fixed Points for Mappings Satisfying φ and F - maps in G-Cone Metric Spaces, Bulletin of Mathematical Analysis and Applications, Vol.4, issue 1(2012), pp. 133-147, ISSN:1821-1291, Republic of Kosova.

52. **Sushanta Kumar Mohanta** and Rima Maitra, Some Fixed Point Theorems Via w-Distance on Cone Metric Spaces, Global Journal of Science Frontier Research: F Mathematics & Decision Sciences, Vol. 12, Issue 1, Version 1.0, January, 2012, Online ISSN: 2249-4626 & Print ISSN:0975-5896, pp. 43-52, USA.

53. **Sushanta Kumar Mohanta**, Fixed Points and Property P in G-Metric Spaces, Bulletin of the Allahabad Mathematical Society, Vol. 26, part 2(2011), pp. 273-284, ISSN:0971-0493, India.

54. **Sushanta Kumar Mohanta**, Property P of G-Expansive Mappings, Rev. Bull. Cal. Math. Soc., Vol.19, no.2 (2011), pp. 257-266, ISSN: 2231-5306, India.

55. **Sushanta Kumar Mohanta**, Fixed Points for Non-Self Mappings on Convex Vector Metric Spaces, International Journal of Mathematical Archive, ISSN 2229- 5046, Vol. 2, no. 10, 2011, pp. 1800-1808, India.

56. **Sushanta Kumar Mohanta**, Common Fixed Point Theorems Via w-Distance, Bulletin of Mathematical Analysis and Applications, Vol.3, issue 3(2011), 182-189, ISSN:1821-1291, Republic of Kosova.

57. **Sushanta Kumar Mohanta** and Srikanta Mohanta, Existence of Fixed Points with Property P in G-Metric Spaces, International J. of Math. Sci. & Engg. Appls. (IJMSEA), ISSN 0973-424, Vol. 5, no. IV (July, 2011), pp. 371-384, Maharashtra, India.

58. **Sushanta Kumar Mohanta**, A Fixed Point Theorem Via Generalized W-Distance, Bulletin of Mathematical Analysis and Applications, Vol.3, issue 2(2011), pp. 134-139, ISSN:1821-1291, Republic of Kosova.

59. **Sushanta Kumar Mohanta**, Generalized W-Distance and a Fixed Point Theorem, Int. J. Contemp. Math. Sciences, Vol.6, 2011, no.18, pp. 853-860, ISSN: 1312-7586, Bulgaria.

60. **Sushanta Kumar Mohanta**, Random Fixed Points in Banach Spaces, Int. Journal of Math. Analysis, Vol.5, 2011, no.10, pp. 451-463, ISSN:1312-8876, Bulgaria

61. **Sushanta Kumar Mohanta**, Property P of Ćirić Operators in G -Metric Spaces, International J. of Math. Sci. & Engg. Appls. (IJMSEA), ISSN 0973-9424, Vol. 5 no. II (March, 2011), pp. 353-367, Maharashtra, India.

62. **Sushanta Kumar Mohanta** and A. P. Baisnab, A Class of Ćirić Operators and Their Fixed Points, Bulletin of the Allahabad Mathematical Society, 20(2005), pp. 79-88, ISSN: 0971-0493, India.

63. **Sushanta Kumar Mohanta** and A. P. Baisnab, Huber's Theorem and Allied Results in a Bitopological Space, Bull. Cal. Math. Soc., 94 (6) (2002), pp. 467-476, ISSN:0008-0659, India.

64. **Sushanta Kumar Mohanta** and A. P. Baisnab, n-Th Root Theorem in a Banach Algebra, Bull. Cal. Math. Soc., 91(3) (1999),259-261, ISSN:0008-0659, India.