Resume

Dr. Pradip Kumar Parida (PhD., IIT Kharagpur)

Associate Professor and Head of the Department

Department of Mathematics

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Brief Profile

Having 16+ years of Teaching and research experience, Dr. P. K. Parida is a senior academician and researcher in the field of Mathematics. His areas of interest includes Numerical Analysis, Numerical Functional Analysis, Numerical Optimization Fractional Calculus etc. He has published several, research papers, articles, book chapters etc. in reputed journals and conferences. Apart from carrying academic responsibility he has contributed to Jhrakhand Society of Mathematical Sciences as a Academic Secretary. He has conducted several conferences, seminars, talks etc.

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Google Scholar Id

IRINS

Educational Qualifications

- **Ph. D. in Mathematics from *Indian Institute of Technology, Kharagpur, 2008***
  Title of Thesis: - Study of Some Third Order Methods for Nonlinear Equations in Banach Spaces

Thesis Advisor: - **Prof. D. K. Gupta**

- **MA in Mathematics at *Utkal University, Bhubaneswar, 2002***
  - 1st division, Percentage: 77.6
- **BA in Mathematics at *Utkal University, Bhubaneswar, 2000***
  - 1st division, Percentage: 75.87

Employment

- **Associate Professor:** Working as Associate Professor at ***Department of Mathematics, Central University of Jharkhand, Ranchi, Jharkhand, India***. August 2023 – Present.
- **Assistant Professor:** Worked as Assistant Professor at ***Department of Mathematics, Central University of Jharkhand, Ranchi, Jharkhand, India***. April 2011 – August 2023.
- **Assistant Professor:** Worked as Assistant Professor at D***epartment of Mathematics, Indian Institute of Technology, Gandhinagar, Ahmedabad, India***. August 2008 – April 2011.
- **Postdoctoral Fellow:** Worked as a Postdoctoral fellow at ***Theoretical Statistics and Mathematics Unit, Indian Statistical Institute, New Delhi, India.*** April 2008 – August 2008.

- **Senior Research Fellow:** Worked as a Senior Research Fellow at ***Department of Mathematics, Indian Institute of Technology, Kharagpur, India.*** March 2008-April 2008.
- **Senior Research Fellow:** Worked as a Senior Research Fellow at ***Department of Mathematics, Indian Institute of Technology, Kharagpur, India.*** August 2007 -- March 2008(Continued as SRF after thesis submission).

Teaching Experience

- **Associate Professor:** Working as Associate Professor at ***Department of Mathematics, Central University of Jharkhand, Ranchi, Jharkhand, India***. August 2023 – Present.

- From April 2011 – August 2023: Taught the courses on Numerical Analysis + lab, Calculus, Ordinary and Partial Differential Equations, Applied Mathematics – II, III, Complex Analysis, Calculus of Variations, Numerical Partial Differential Equations to 5 year integrated Msc. and MTech., students of ***Central University of Jharkhand***. Presently taking classes of Calculus, Introduction Numerical Analysis – II and Numerical Partial Differential Equations for Integrated Msc. students of ***Central University of Jharkhand*.**
- From August 2008 – April 2011: Shared the courses in Calculus, Linear Algebra and Differential Equations–I, II, Complex Analysis and Numerical Analysis for Bachelor of Technology students of ***Indian Institute of Technology, Gandhinagar, Ahmedabad, India.***
- From January 2004 – November 2007, taken tutorial classes of Mathematics-I, II for Bachelor of Technology students of ***Indian Institute of Technology, Kharagpur, India.***
- Conducted computer laboratory classes for Numerical Analysis and 'C' language courses for M.Sc students of the mathematics department at ***Indian Institute of Technology, Kharagpur, India.***
- Managed the computer laboratory of the mathematics department at ***Indian Institute of Technology, Kharagpur, India.***

Research Interests

Numerical Analysis, Numerical Functional Analysis, Numerical Optimization Fractional Calculus

Research Guidance

PhD Supervision Awarded= 03, Submitted=03, Ongoing=03

1. Dr. Shwet Nisha, (2018)
   Thesis entitled-**Convergence Analysis of Newton-Like Methods for Nonlinear Equations in Banach Spaces**
2. Dr. Himanshu Kumar, (2018)
   Thesis entitled- **Numerical Solution of Fuzzy Nonlinear Equations**
3. Dr. Chandni Kumari, (2020)
   Thesis entitled- **Convergence Analysis of Higher Order Iterative Methods in Banach Spaces**

List of Selected Papers

1. **Babita Mehta and P. K. Parida,** Kantorovich's theorem on Mann's Iteration Method in Riemannian Manifold**, Acta Mathematica Vietnamica, Accepted 7 April, 2024. Published 29 June 2024.** Scopus, **Web of Science**IF-0.5

2. **Babita Mehta and P. K. Parida,** A convergence analysis of a family of third order iterative methods in Riemannian manifold**,** Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas, **Accepted 30 May, 2024. Published 26 June 2024** Scopus, **Web of Science**IF-2.9 DOI-https://doi.org/10.1007/s13398-024-01624-w

3. S. K. Nayak and P. K. Parida, Global convergence analysis of Caputo fractional Whittaker method with real world applications, C***UBO-A Mathematical Journal, 26(01)(2024)167–190, April 2024 DOI: 10.56754/0719-0646.2601.167. Accepted, 7 March 2024.*** Scopus, **Web of Science** IF-0.5 Published: 11 April, 2024

4. **Mukund Mohan, Abhimanyu Kumar, S. N. Roy, P. K. Parida,** On an Efficient Iterative Method for Fixed Points, Contemporary Mathematics, 4(4)(2024)1260-1278 DOI:10.37256/cm.4420232755 **Scopus, Web of Science** ISSN 2705-1056 Online 19th December 2023, Published 21.05.2024

5. S. K. Nayak, P. K. Parida and A. Kumar, A study of 3μth-order of convergence of Chebyshev-Halley family method and its convergence plane, ***SeMA Journal, Accepted, April 2023, https://doi.org/10.1007/s40324-023-00326-4.*** Scopus,

6. N. C. Bhagat and P. K. Parida, Gauss-Newton-Kurchatov method for the solution of non-linear least-square problems using ω –condition, Georgian Mathematical Journal, 29 June 2023, https://doi.org/10.1515/gmj-2023-2043 **Scopus, Web of Science** ISSN 1072947X, 15729176,

7. S. K. Nayak, P. K. Parida, The dynamical analysis of a low computational cost family of higher order fractional iterative method, International Journal of Computer Mathematics, 100(6)(2023)1395-1417. Scopus, Web of Science **ISSN** 0020-7160 https://doi.org/10.1080/00207160.2023.2190034 DoP: 08.05.2023

8. **Chandni Kumari and P. K. Parida,** Convergence theorems of a new multiparametric family of Newton-like method in Banach space, **International Journal of Nonlinear Analysis and Applications, 12(2) (2021) 335-362.*Scopus 2018-, Web of Science ISSN***

9. **Shwet Nisha and P. K. Parida, Super-Halley method under majorant conditions in Banach spaces, *CUBO-A Mathematical Journal,*** 22(1)(2020)55-70.*Scopus 2020-, Web of Science ISSN*

10. **Himanshu Kumar and P. K. Parida,** On Semilocal convergence of Two step Kurchatov method**,** ***International Journal of Computer Mathematics,*** 96(8)(2019)1548–1566.*Scopus*, *Web of Science* ***ISSN***

11. **Chandni Kumari and P. K. Parida,** Local convergence analysis for Chebyshev's method, ***Journal of Applied Mathematics and Computing,*** *59(1–2)(2019)405–421.Scopus 1997-*, *Web of Science* ***ISSN***

Publications

(A) In Peer reviewed Journals

1. **C. Prasad and P K Parida**, Convergence of Third Order Newton-like Method on Riemannian Manifolds, **Bulletin of the Transilvania University of Brasov, Series III: Mathematics and Computer Science**, Accepted, 03.05.2024. Scopus,

2. C. Prasad and P K Parida, Modified Newton Method on Riemannian Manifolds**, TWMS J. App. Engg. Math.,** Accepted March 2024. Scopus, Web of Science IF-0.4

3. **Babita Mehta and P. K. Parida,** Kantorovich's theorem on Mann's Iteration Method in Riemannian Manifold**, Acta Mathematica Vietnamica, Accepted 7 April, 2024. Published 29 June 2024.** Scopus, **Web of Science**IF-0.5

4. **Babita Mehta and P. K. Parida,** A convergence analysis of a family of third order iterative methods in Riemannian manifold**,** Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas, **Accepted 30 May, 2024. Published 26 June 2024** Scopus, **Web of Science**IF-2.9 DOI-https://doi.org/10.1007/s13398-024-01624-w

5. S. K. Nayak and P. K. Parida, Global convergence analysis of Caputo fractional Whittaker method with real world applications, C***UBO-A Mathematical Journal, 26(01)(2024)167–190, April 2024 DOI: 10.56754/0719-0646.2601.167. Accepted, 7 March 2024.*** Scopus, **Web of Science** IF-0.5 Published: 11 April, 2024

6. **Mukund Mohan, Abhimanyu Kumar, S. N. Roy, P. K. Parida,** On an Efficient Iterative Method for Fixed Points, Contemporary Mathematics, 4(4)(2024)1260-1278 DOI:10.37256/cm.4420232755 **Scopus, Web of Science** ISSN 2705-1056 Online 19th December 2023, Published 21.05.2024

7. **Chandni Kumari and P. K. Parida,** Ball convergence theorems for Chebyshev-Halley method in B-space, **Journal of Mathematical Research with Applications, 43(6)(2023)723-736 Nov., 2023, ISSN 2095-2651** Care

8. S. K. Nayak, P. K. Parida and A. Kumar, A study of 3μth-order of convergence of Chebyshev-Halley family method and its convergence plane, ***SeMA Journal, Accepted, April 2023, https://doi.org/10.1007/s40324-023-00326-4.*** Scopus,

9. N. C. Bhagat and P. K. Parida, Gauss-Newton-Kurchatov method for the solution of non-linear least-square problems using ω –condition, Georgian Mathematical Journal, 29 June 2023, https://doi.org/10.1515/gmj-2023-2043 **Scopus, Web of Science** ISSN 1072947X, 15729176,

10. S. K. Nayak, P. K. Parida, The dynamical analysis of a low computational cost family of higher order fractional iterative method, International Journal of Computer Mathematics, 100(6)(2023)1395-1417. Scopus, Web of Science **ISSN** 0020-7160 https://doi.org/10.1080/00207160.2023.2190034 DoP: 08.05.2023

11. **P. K. Sahoo, I. K. Argyros, P.K. Parida, Sangita Kumari, Abhimanyu Kumar and Chandresh Prasad,** Convergence analysis of Stirling method using majorizing sequences, Bull. Cal. Math. Soc., 115, (1)(2023)1–14, ***ISSN*** 0008-0659 **Care**

12. **Chandni Kumari and P. K. Parida,** Study of Semilocal convergence analysis of Chebyshev's method under new type majorant conditions, *SeMA Journal*, 79(2022)677–697. ***Scopus 2010-*** ***ISSN* 2281-7875**

13. **Chandni Kumari and P. K. Parida,** Convergence theorems of a new multiparametric family of Newton-like method in Banach space, **International Journal of Nonlinear Analysis and Applications, 12(2) (2021) 335-362.*Scopus 2018-*, *Web of Science* *ISSN***

14. **Shwet Nisha and P. K. Parida, Super-Halley method under majorant conditions in Banach spaces, *CUBO-A Mathematical Journal,*** 22(1)(2020)55-70.*Scopus 2020-*, ***Web of Science*** ***ISSN***

15. **Shwet Nisha, P. K. Parida and Chandni Kumari,** Convergence of a continuation method under majorant conditions**, Korean Journal of Mathematics**, 27(4) (2019)1005-1025.*Web of Science* ***ISSN***

16. **Himanshu Kumar and P. K. Parida,** On Semilocal convergence of Two step Kurchatov method**, *International Journal of Computer Mathematics*,** 96(8)(2019)1548–1566.*Scopus*, *Web of Science* ***ISSN***

17. **Chandni Kumari and P. K. Parida,** Local convergence analysis for Chebyshev's method, ***Journal of Applied Mathematics and Computing,*** *59(1–2)(2019)405–421.Scopus 1997-, Web of Science* ***ISSN***

18. **Ioannis K. Argyros, P. K. Parida,** Expanding the Applicability of Stirling's Method under Weaker Conditions and Restricted Convergence Regions**,** ***Annals of West University of Timisoara - Mathematics and Computer Science***, 56(1)(2018)86– 98. **Care ISSN**

19. **Ioannis K. Argyros, P. K. Parida and Salahuddin,** Ball convergence of an efficient fifth order iterative method under weak conditions**,** ***Annales Univ. Sci. Budapest., Sect. Comp.,*** 46 (2017)341-353**.** **ISSN** 0138-9491

20. Himanshu Kumar and P. K. Parida, Three step Kurchatov method for Nondifferentiable operators, ***International Journal of Applied and Computational Mathematics,***3(4)(2017)3683-3704**.***Scopus 2015-* ***ISSN*** 2199-5796

21. Shwet Nisha and P. K. Parida, A fourth order regula-falsi Newton-like method for enclosing simple zeros of nonlinear equations, ***International Journal of Applied Nonlinear Science,*** **2(4)(2016)258–269.***Web of Science* ***ISSN*** 1752-2862 IF.1.4

22. Himanshu Kumar and P. K. Parida, Homotopy analysis method for fuzzy general Abel's linear integral equations, ***International Journal of Research in Engineering, Technology and Science***, 6(4)(2016) . **ISSN** 2394-739X

    https://www.ijrets.com/homotopy-analysis-method-fuzzy-general-abels-linear-integral-equation/

23. Shwet Nisha and P. K. Parida, An improved bisection Newton-like method for enclosing simple zeros of nonlinear equations, ***SeMA Journal***, 72(2015)83-92. *Scopus 2010-* ***ISSN*** 2281-7875

24. Himanshu Kumar and P. K. Parida, Solving Abel's general fuzzy linear integral equations by homotopy analysis method, ***International Journal of Fuzzy Computation and Modelling***, 1(4)(2015)382–396. **ISSN** 2052-3548

25. P.K. Parida and D.K. Gupta, Convergence of an iterative method in Banach spaces with Lipschitz continuous first derivative, ***International Journal of Applied Nonlinear Science,****1(2014)289 – 299. Web of Science* ***ISSN*** 1752-2862 IF.1.4

26. P.K. Parida, D.K. Gupta and S. Parhi, On semilocal convergence of a multipoint third order method with R-order (2+p) under a mild differentiability condition, ***Journal of Applied Mathematics and Informatics***, 31*(2013) 399 – 416.Scopus 2020-, Web of Science* **ISSN** 2234-8417

27. P.K. Parida and D.K. Gupta, Semilocal convergence of a third order Chebyshev-type method under a mild differentiability condition, ***International Journal of Computer Mathematics,*** 87 (2010) 3405-3419.Scopus, Web of Science **ISSN** 0020-7160

28. P.K. Parida and D.K. Gupta, A cubically convergent iteration method for multiple roots of f(x) = 0,***International Journal of Computer Mathematics,*** 87 (2010) 877-884.Scopus, Web of Science **ISSN** 0020-7160

29. P.K. Parida and D.K. Gupta, On the R-order convergence of a third order method in Banach spaces under mild differentiability conditions, ***International Journal of Computational Methods,*** 6 (2009) 291-306. Scopus, Web of Science **ISSN** 1793-6969

30. P.K. Parida and D.K. Gupta, A family of iterative methods for solving fuzzy nonlinear equations, ***Journal of Fuzzy Mathematics,*** 16 (2008) 793 – 803. **ISSN** 1066-8950

31. P.K. Parida and D.K. Gupta, A Newton-like method in Banach spaces under mild differentiability conditions, ***Kodai Mathematical Journal,*** 31 (2008) 414 – 430. Scopus, Web of Science **ISSN** 1881-5472

32. P.K. Parida and D.K. Gupta, Semilocal convergence of a family of third order methods in Banach spaces under Holder continuous second derivative, ***Nonlinear Analysis: Theory, Methods & Applications***, 69 (2008) 4163 - 4173.**Scopus, Web of Science** **ISSN** 0362546X

33. P.K. Parida and D.K. Gupta, Recurrence relations for semilocal convergence of a Newton-like method in Banach spaces, ***Journal of Mathematical Analysis and Applications***, 345 (2008) 350 - 361.**Scopus, Web of Science** **ISSN** 0022-247X

34. P.K. Parida and D.K. Gupta, An improved method for finding multiple roots and it's multiplicity of nonlinear equations in R, ***Applied Mathematics and Computation,*** 202 (2008) 498 – 503.**Scopus, Web of Science** **ISSN 0096-3003**

35. P.K. Parida and D.K. Gupta, Recurrence relations for a Newton-like method in Banach spaces, ***Journal of Computational and Applied Mathematics***, 206 (2007) 873-887.**Scopus, Web of Science** **ISSN** 0377-0427

36. P.K. Parida and D.K. Gupta, A cubic convergent iterative method for enclosing simple roots of nonlinear equations, ***Applied Mathematics and Computation***, 187 (2007) 1544 - 1551.**Scopus, Web of Science** **ISSN 0096-3003**

37. P.K. Parida and D.K. Gupta, A derivative free method with cubic convergence of both interval and point for enclosing simple zeros of nonlinear equations, ***Proceedings of the International Conference on Topics in Functional and Numerical Analysis (TOFNA-2005), The Journal of Analysis,*** **14 (2006) 81- 90. Scopus 2016-, Web of Science ISSN** 2367-2501

38. P.K. Parida and D.K. Gupta, An improved regula-falsi method for enclosing simple zeros of nonlinear equations, ***Applied Mathematics and Computation***, 177 (2006) 769-776. **Scopus, Web of Science** ISSN 0096-3003

(B) In Edited volumes

39. Mehta, B., Parida, P.K., Bhagat, N.C., Nayak, S.K., Nisha, S., Kumari, C. (2023). [Local convergence analysis of a family of third order iterative methods using majorant function in Riemannian Manifold. In: Debasis Giri, Jaideep Vaidya, S. Ponnusamy, Zhiqiang Lin, Karuna Pande Joshi, V. Yegnanarayanan (eds) Proceedings of the Tenth International Conference on Mathematics and Computing: ICMC 2024, Volume 1, Lecture Notes in Networks and Systems. **Scopus, Web of Science**

40. Nayak, S. K., Parida, P.K., Nisha, S., Kumari, C., Chandra Bhagat, N., Mehta, B. (2024). Real Dynamics of a Sixth-Order Family of Derivative-Free Iterative Method Without Memory. In: Giri, D., Vaidya, J., Ponnusamy, S., Lin, Z., Joshi, K.P., Yegnanarayanan, V. (eds) Proceedings of the Tenth International Conference on Mathematics and Computing. ICMC 2024. Lecture Notes in Networks and Systems, vol 964. Springer, Singapore. https://doi.org/10.1007/978-981-97-2066-8_4. **Scopus, Web of Science**

41. Bhagat, N.C., Parida, P.K., Prasad, C., Nayak, S.K., Mehta, B., Sahoo, P.K. (2022). Gauss-Newton-Secant Method for the Solution of Non-linear Least-Square Problems Using ω-Condition. In: Rushi Kumar, B., Ponnusamy, S., Giri, D., Thuraisingham, B., Clifton, C.W., Carminati, B. (eds) Mathematics and Computing. ICMC 2022. Springer Proceedings in Mathematics & Statistics, vol 415. Springer, Singapore. https://doi.org/10.1007/978-981-19-9307-7_55, Pages 711-719
Scopus, Web of Science ISSN 2194-1017

(C) In Conferences as Invited Speaker

1. P.K. Parida, A Study of Advanced Enclosing Methods, **National Seminar on Advances in Computational Mathematics**, organized by Department of Mathematics, B.S. College, Nuahat, Jajpur, Odisha, 19 March 2024.
2. P.K. Parida, Some Advanced Enclosing Methods for Root Finding Problems, **National Seminar on Recent Advances in Mathematics**, organized by Department of Mathematics, Government College, Sundergarh, Odisha, 22-23 December 2023.

3. P.K. Parida, Application of Fractional Derivatives in Root Finding Methods, **Refresher Course on Mathematical & Computational Techniques for Real World Problems (ID)** organized by Department of Mathematics & UGC- HRDC, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, 04-16 December 2023.
4. P.K. Parida, Dynamics of multiparametric family of fractional iterative methods to solve nonlinear equations, **Refresher Course on Mathematical & Computational Techniques for Real World Problems (ID)** organized by Department of Mathematics & UGC- HRDC, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, 04-16 December 2023.
5. P.K. Parida, Use of fractional derivatives in the study of root finding methods, **Keynote address in the Five Days Faculty Development Program on "Recent Advancement in Mathematical Sciences (RAIMS)"** organized by the Department of Mathematics, Sarla Birla University, Ranchi during 06-10 November, 2023.
6. P.K. Parida, Convergence analysis of fractional Whittaker method with its 3α order of convergence, **2 day National Conference on Mathematical and Statistical Modeling in Innovative Areas(MASTMIA-2023)**, held at RTCIT, Ranchi during February 03-04, 2023.
7. P.K. Parida(Keynote Speaker), A study on enclosing methods, **A National Webinar on Recent Advances In Numerical Analysis**, Department of Mathematics , BISHNU SAMANTRAY COLLEGE, Nuahat, Arakhpur, Dist: Jajpur, Odisha held on 30th November, 2021.
8. P.K. Parida, Fractional Chebyshev-Halley method for Solution of Nonlinear Equations, **Online National Seminar on Recent Advances in Mathematics**, Department of Mathematics, Ravenshaw University, Cuttack , Odisha, 26-28 October, 2021.
9. P.K. Parida, Study of Fractional Iterative Methods for Solution of Nonlinear Equations, **Refresher course on Applied Mathematics – 2021**, Academic Staff College, Ranchi University, Ranchi, 16-29, September 2021.
10. P.K. Parida, Study of Some Third Order Methods for Nonlinear Equations in Banach Spaces, **Refresher course on Applied Mathematics – 2021**, Academic Staff College, Ranchi University, Ranchi, 16-29, September 2021.
11. P. K. Parida, A Study on Enclosing Methods for Root Finding Problems, 8th Siksha 'O' Anusandhan Weekly Academic Lecture (SOAWAL), organized by the Department of Mathematics, Faculty of Engineering & Technology (ITER), Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar – 751030, India on 18th**September 2021.**
12. P. K. Parida, A brief history of Newton-like methods and their convergence, National e-Seminar on "**Recent Development and Application of Mathematics**" Organized by University Department of Mathematics, Lalit Narayan Mithila University, Kameshwaranagar, Darbhanga Bihar 846004 ,22-23 January, 2021.

13. P. K. Parida, Majorant Conditions on One Point Iteration Methods**, National Seminar on "Recent Advances in Mathematics and Computer Science"**, P. G. Department of Mathematics and Department of Computer Science, Rajendra College(Autonomous), Balangir, Odisha, 12-13, March, 2019.
14. P. K. Parida, Newton-like Methods for Nonlinear Equations**, Model National Seminar on "Exploration of inroads to good Mathematics"**, Gossner College, Ranchi, 29th January & 5th February, 2017.
15. P. K. Parida, Use of Latex for Preparation of Research Article**, *National Workshop on "Use of Latex for Preparation of Research Article*,** Baripada College, Odisha, 03-04 September 2016.
16. P.K. Parida, Different Convergence Analysis of Newton-like Methods, **2nd*Bi-Annual Conference of Jharkhand Society of Mathematical Sciences(***JSMS), Ranchi College, Ranchi, India, 21-23 November, 2015.
17. P.K. Parida, Interpolation and Integration, **Refresher course on Basic Sciences – 2015**, Academic Staff College, Ranchi University, Ranchi, 02-22 February, 2015.
18. P.K. Parida, Solution of System of Nonlinear Equations, **Refresher course on Basic Sciences – 2015**, Academic Staff College, Ranchi University, Ranchi, 02-22 February, 2015.
19. P.K. Parida, Solution of System of linear Equations, **Refresher course on Basic Sciences – 2015**, Academic Staff College, Ranchi University, Ranchi, 02-22 February, 2015.
20. P.K. Parida, On R-order convergence of Newton-like methods in Banach Spaces, ***National Seminar on Challenges in Mathematical Sciences***, jointly organised by Jharkhand Society of Mathematical Sciences, and Centre for Applied Mathematics, Central University of Jharkhand, India, 08-09 February, 2014.
21. P.K. Parida, Group Theory and Linear Algebra, **Instructional School-2013,** Central University of Jharkhand, Ranchi, India, 17th December 2013-6th January 2014.
22. P.K. Parida, Semilocal convergence of a family of Chebyshev-type methods under a mild differentiability condition, ***National Symposium in Mathematics for Young Researchers (NSM 2010)***, IIT Gandhinagar, Ahmedabad,India, 26-28February, **2010**.
23. P.K. Parida, On R-order convergence of Halley-like methods in Banach spaces, ***Research Meet 2011***, MS University, Varodara, India, 23-01-2011.
24. P.K. Parida, Semilocal convergence of Chebyshev-type methods under a mild differentiability condition, ***Mathematics Meet 2011: A National Conference***, Gujarat University, Ahmedabad, India, 3-5 February, 2011.

(D) Papers Presented In Conferences

25. P. K. Parida, Root extraction technique from a family of fractional iterative method and its dynamics, **International Conference on "Exploring Excellence in Mathematical Sciences" (ICEEMS-2023)**, Nalanda Open university, Nalanda, Bihar, 04-06 November, 2023.

26. P. K. Parida, Semilocal convergence of fifth order Chebyshev-type methods under a mild condition, **International Conference on Mathematical Analysis and Applications**, Department of Mathematics, National Institute of Technology Jamshedpur, 02-04 November, 2020 through online platform.
27. P. K. Parida, "Local and semilocal convergence of one point iteration methods applied to optimization**", INTERNATIONAL CONFERENCE ON RESEARCH TRENDS IN MATHEMATICS (ICRTM-2020)**, Vellore Institute of Technology, Chennai, India held during 25-26 August, 2020 through online platform.
28. P. K. Parida, "Convergence of One point iteration method under Majorant condition**", International Conference on Sustainable Computing in Science, Technology and Management(SUSCOM-2020)**, Amity University, Rajasthan, Jaipur, India, 20-22 January, 2020.
29. P. K. Parida, "Majorant conditions on super-Halley method**", A National Conference on Engineering Mathematics(TOPAS-2017)**, Department of Mathematics, IIT Kharagpur, India, 16-17 December, 2017.
30. P. K. Parida, On the local convergence of Super-Halley method under a new type of majorant conditions**", International Conference of The Indian Mathematics Consortium (TIMC)**, Banaras Hindu University, Varanasi, 14-17 December, 2016.
31. Himanshu Kumar, P.K. Parida, Homotopy Analysis Method for fuzzy general Abel's Linear Integral Equation, ***International conference of Recent Trends in computer Science and Technology***, Department of Computer Science and Engineering, TVSCET, Jamshedpur, 12-13 April 2016.
32. P.K. Parida, A Study of Convergence Analysis of Newton-like Methods, ***1st Bi-Annual Conference of Jharkhand Society of Mathematical Sciences***, JSMS, Ranchi University, Ranchi, India, 22-23 November 2012.
33. P.K. Parida, On semilocal convergence of Halley-like methods under a mild differentiability condition, ***International Conference on Differential Geometry, Functional Analysis and Applications (ICDGFAA 2012)***, Department of Mathematics, Jamia Millia Islamia, New Delhi, India, 8-10 September 2012.
34. P.K. Parida and D.K. Gupta, Semilocal convergence of a Newton-like method with Lipschitz continuous second derivative in Banach spaces, ***Fourteenth International Conference of the Forum for Inter disciplinary Mathematics (CMASM 2007-FIM XIV)***, IIT Madras, India and Stella Maris College (Autonomous), Chennai, India, 6-8 January 2007.
35. P.K. Parida and D.K. Gupta, A derivative free method with quadratic convergence of both interval and point for enclosing multiple zeros of nonlinear equations, ***33rd Annual Conference of Orissa Mathematical Society (OMS 2006)***, School of Mathematical Sciences, Sambalpur University, Orissa, India, 4-5 February 2006.
36. P.K. Parida and D.K. Gupta, A derivative free method with cubic convergence of both interval and point for enclosing simple zeros of nonlinear equations, ***International Conference on Topics in Functional and Numerical Analysis (TOFNA-2005)***, *Department of Mathematics, IIT Bombay, India, 7-9 December 2005*.

37. P.K. Parida and D.K. Gupta, An improved Newton-like method for solving nonlinear equations, ***32nd Annual Conference of Orissa Mathematical Society & National conference on mathematical analysis and it's applications(OMS 2005)***, NIST, Berhampur, Orissa, India, 5-6 February 2005.

(D) Workshop/Seminar Attended

1. Participated & completed successfully NPTEL online course on "Introduction to Methods of Applied Mathematics" July-Dec 2022.

2. Participated & completed successfully Webinar series on "**Exploring Advances in Graph Theory**" organized by PG & Research Department of Mathematics, Loyola College, Chennai during 15th June 2020 to 17th June 2020.
3. Participated & completed successfully **Seven Day Faculty Development Programme (FDP) in Online Mode for University and College Teachers on the theme "Gender Concerns in Education"** organized by the Centre for Women's Studies, Dibrugarh University, Assam, India from 26th May 2020 to 1st June, 2020.
4. Participated & completed successfully **AICTE Training and Learning (ATAL) Academy FDP on "Robotics"** from 16-20, December, 2019 at Central University of Jharkhand, Ranchi.
5. Participated & completed successfully **AICTE Training and Learning (ATAL) Academy FDP on "Cyber Security"** from 16-20, September, 2019 at Central University of Jharkhand, Ranchi.
6. Participated & completed successfully **UGC sponsored refresher course in "Women Studies & Gender Sensitization (All Subjects)"** from 02-15, July 2019 organized at UGC-HRDC, Ranchi University, Ranchi.
7. Participated & completed successfully **Training Programme on "Dynamical Systems: Theory & Applications",** from 04-08, September, 2018, organized at Department of Applied Mathematics, IIT(ISM), Dhanbad, India.
8. Participated National Workshop on **Technical Terminology in Science (Mathematics & Physics),** from 12-13, July, 2018 organized at University Department of Mathematics, Vinoba Bhave University, Hazaribagh.
9. Participated & completed successfully **UGC sponsored refresher course in "Basic Sciences (PHY/CHEM/MATH/STATS)"** from 03-23 March 2014 organized at UGC-HRDC, Ranchi University, Ranchi.
10. Participated & completed successfully **UGC sponsored 70th Orientation Programme** from 25th November-22nd December 2012 organized at UGC-ASC, Ranchi University, Ranchi.

Workshops/Seminars/Conferences etc Conducted:

1. **Convener:** Online FDP on "RECENT DEVELOPMENTS IN MATHEMATICAL SCIENCES (RDMS)" organized by the Department of Mathematics, Central University of Jharkhand, Ranchi, from 6th-10th November 2020

2. ***Organizing Secretary:*** *2nd Bi-Annual Conference of Jharkhand Society of Mathematical Sciences(JSMS), jointly organized by Jharkhand Society of Mathematical Sciences, and Ranchi College, Ranchi, India, 21-23 November, 2015*

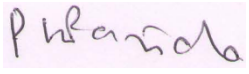
3. ***Organizing Secretary:*** *National Seminar on Challenges in Mathematical Sciences,* jointly organised by Jharkhand Society of Mathematical Sciences, and Centre for Applied Mathematics, Central University of Jharkhand, India, 08-09 February, 2014

Membership of Professional Societies:

- Yearly member of Odisha Mathematical Society
- Members of Jharkhand Society of Mathematical Society from November 2012
- Associate Membership of the The Mathematics Consortium-2016

Honors and Awards:

- 2008 Got **National Board of Higher Mathematics(NBHM) Govt. of India** scholarship for Post doctoral studies in the field of Mathematics**.**
- 2004 Qualified Council of Scientific and Industrial Research **(CSIR) JRF(NET)**, **Govt. of India** for pursuing Research/Ph. D. in the field of Mathematics**.**
- 2003 Qualified Graduate Aptitude Test in Engineering (**GATE**), **Percentile Score:** 88.53, **All India Rank:** 151. **Govt. of India** for pursuing M. Tech/Research/Ph. D. in the field of Mathematics**.**



(Pradip Kumar Parida)