CURRICULAM VITAE OF DR. DILIP CHANDRA PRAMANIK

A. PERSONAL INFORMATION:

Name: Dr. Dilip Chandra Pramanik

Present Position: Assistant Professor in Mathematics, NBU

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Address:

- **For Communications:**

  Department of Mathematics, University of North Bengal, Raja Rammohunpur, Dt-Darjeeling, Pin- 734013, W.B., India.

- **Permanent:**

  Village: South Naikanda
  Post: Naikanda, Ps: Chanchal,
  Dt: Malda, Pin- 732126, W.B., India

B. EDUCATION:

- *Ph.D in Pure Mathematics* from University of Kalyani in 2014.
  Advisor: Dr. Sanjib Kumar Datta
  Thesis: Some Problems on the Value Distribution Theory of Entire and Meromorphic Functions

- *M.Sc in Mathematics* from University of North Bengal in 2008*.*

- *B.Sc in Mathematics (Hons.)* from Malda College in 2006.

C. RESEARCH INTEREST:

Complex Analysis

D. TEACHING EXPERIENCE:

From 30th November, 2012 to till now

E. Administrative Responsibility

Superintendent of V. K. Hall of Residence, NBU Main Campus from 3rd May, 2018 to 3rd March, 2022.

F. LIST OF PUBLICATIONS:

1. D. C. Pramanik and J. Roy: Study of Bruck Conjecture and Uniqueness of Rational Function and Differential Polynomial of a Meromorphic Function, Korean J. Math.(accepted).
2. D. C. Pramanik and J. Roy: Results on Uniqueness of Meromorphic Functions Weighted-Sharing a Set of Roots of Unity, Journal of Interdisciplinary Mathematics, Vol. 25 (2022), No. 1, ISSN: 0972-0502 (Print), ISSN: 2169-012X (Online), pp. 45–62.
3. D. C. Pramanik and J. Roy: Uniqueness of Non-Homogeneous Differential Polynomials of Meromorphic Functions Sharing a Small Function, Journal of Classical Analysis, Vol. 19, No. 1, (2022), P-ISSN: 1848-5979, E-ISSN: 1848-5987, pp. 65-81.
4. D. C. Pramanik and J. Roy: Some results on uniqueness of homogeneous differential polynomials of meromorphic functions, Italian Journal of Pure and Applied Mathematics, No. 46(2021) , ISSN: 2239-0227, pp. 259-271.

5. D. C. Pramanik and J. Roy: Linear Differential Polynomials Weighted-Sharing a Set of Roots of Unity, Facta Universitatis(NIS) Ser. Math. Inform., Vol. 36(2021), No. 2, P-ISSN: 0352-9665, pp. 333-347.

6. D. C. Pramanik, Kapil Roy: Further study on the Bruck conjecture and some non-linear complex differential equations, Arab Journal of Mathematical

Sciences, Vol.27(2021), No.2, P- ISSN: 1319-5166, E-ISSN: 2588-9214, pp.130-138.

7. D. C. Pramanik and J. Roy: Weighted sharing and uniqueness of homogeneous differential polynomials of meromorphic functions, Southeast Asian Bulletin of Mathematics, Vol. 45(2021), No. 2, P-ISSN: 0129-2021, pp.227-240.

8. D. C. Pramanik and M. Biswas: Growth of solutions of non-homogeneous linear differentialequations and its applications, Korean J. Math., 29(2021), No. 1, P-ISSN: 1976-8605, E-ISSN: 2288-1423, pp. 65-73.

9. D. C. Pramanik and J. Roy: Uniqueness of Meromorphic Functions Sharing Values with Their n-th Derivatives, Electronic Journal of Mathematical Analysis and Applications, Vol. 9(2021), No. 1, ISSN: 2090-729X, pp. 191-200.

10. D. C. Pramanik, Kapil Roy: Further study on solutions of some non-linear homogeneous differential equations in connection to Bruck conjecture, Creat. Math. Inform., Vol. 29(2020), No. 2, P-ISSN: 1584-286X, E-ISSN: 1843-441X, pp. 183-189.

11. D. C. Pramanik, J. Roy and A. H. Sarkar: Uniqueness of Differential Polynomials of a Meromorphic Function Concerning Weighted Sharing, The Mathematics Student, Vol. 89(2020), Nos. 3-4, P-ISSN: 0025-5742, pp. 127-143.

12. D. C. Pramanik and J. Roy: Uniqueness of p(f) and P[f] concerning weakly weighted sharing, General Mathematics, Vol. 28(2020), No. 1, P-ISSN: 1221-5023, E-ISSN: 1584-3289, pp. 11-24.

13. D. C. Pramanik and J. Roy: Uniqueness of homogeneous differential polynomials of meromorphic functions concerning weakly weighted sharing, Journal of Classical Analysis, Vol. 16, No. 1, (2020), P-ISSN: 1848-5979, E-ISSN: 1848-5987, pp. 23-35.

14. D. C. Pramanik and J. Roy: Uniqueness of meromorphic functions sharing a set of roots of unity, Journal of the Indian Math. Soc., Vol. 87, Nos. (3-4) (2020), P-ISSN: 0019-5839, E-ISSN: 2455-6475, pp. 206-218.

15. D. C. Pramanik, J. Roy and Kapil Roy: On the Growth of Solutions of Some Non-linear Complex Differential Equations, Korean J. Math. Vol. 28, No. 2(2020), P-ISSN: 1976-8605, E-ISSN: 2288-1423, pp.295-309.

16. D. C. Pramanik, M. Biswas and Kapil Roy: Some Results on L-order, L-hyper order and L*-order, L*-hyper order of Entire Functions Depending on the Growth of Central Index, Electronic Journal of Mathematical Analysis and Applications, Vol. 8(2020), No. 1, ISSN: 2090-729X, pp. 316-326.

17. D. C. Pramanik, M. Biswas and Kapil Roy: Growth of entire functions of several complex variables on the basis of central index, Electronic Journal of Mathematical Analysis and Applications, Vol. 8(2020), No. 1, ISSN: 2090-729X, pp. 237-247.

18. D. C. Pramanik: Weighted set sharing and uniqueness of meromorphic functions, Konuralp Journal of Mathematics, Vol. 7(2019), No. 2, ISSN: 2147-625X, pp. 243-251.

19. D. C. Pramanik and J. Roy: Weakly weighted-sharing and uniqueness of homogeneous differential polynomials, Matematychni Studii, Vol. 51(2019), No. 1, ISSN: 2411-0620(online), 1027-4634(print), pp. 41-49.

20. D. C. Pramanik and J. Roy: Uniqueness of homogenous differential polynomials concerning weakly weighted-sharing, Communications of the Korean Mathematical Society, Vol. 34(2019), No. 2, ISSN:1225-1763, E-ISSN: 2234-3024, pp. 439-449.

21. D. C. Pramanik and J. Roy: Uniqueness of meromorphic functions whose differential polynomials share a non-constant polynomial, New Trends in Mathematical Sciences, Vol. 7(2019), No. 2, E-ISSN: 2147-5520, pp. 222-236.

22. D. C. Pramanik and J. Roy: Unicity Theorem for higher order derivatives of meromorphic functions on annuli, Electronic Journal of Mathematical

Analysis and Applications, Vol. 7(2019), No. 2, ISSN: 2090-729X, pp. 332-344.

23. D. C. Pramanik, M. Biswas and Kapil Roy: Generalized order and related growth measure of composite entire function of several complex variables on the basis of central index, New Trends in Mathematical Sciences, Vol. 6 (2018), No. 3, E-ISSN: 2147-5520, pp. 94-102.

24. D. C. Pramanik, M. Biswas and Kapil Roy: Generalized order and growth measure of entire functions on the basis of central index, International Journal of Engineering and Science Research, Vol. 8(Feb 2018), No. 2, E-ISSN:2277-2685, P-ISSN: 2320-9763, pp. 23-30.

25. D. C. Pramanik, M. Biswas and Kapil Roy: Growth Properties of Special Type of Differential polynomial on the basis of Central Index, Journal of Environmental Science, Computer Science and Engineering and Technology, Vol. 7(2018), No. 1, E-ISSN: 2278-179X, pp. 007-015.

26. D. C. Pramanik and M. Biswas: On solutions of some non-linear differential equations in connection to Brück conjecture, Tamkang journal of Mathematics, Vol.48 (2017), No. 4, P-ISSN:0049-2930, E-ISSN:2073-9826, pp. 365-375.

27. D. C. Pramanik, M. Biswas and Rajib Mandal: On the study of Bruck Conjecture and some non-linear complex differential equations, Arab Journal of Mathematical Sciences, Vol. 23(July 2017), ISSN: 1319-5166, pp. 196-204.

28. D. C. Pramanik, M. Biswas and Rajib Mandal: Growth estimates of entire functions on the basis of central index and (p,q)th order, IOSR Journal of Mathematics, Vol. 12, Issue 5, Sep-Oct 2016, E-ISSN: 2278-5728, P-ISSN: 2319-765X.

29. D. C. Pramanik, M. Biswas and A. Biswas: Some results on the growth of entire functions on the basis of central index, International Journal of Engineering and Scientific Research, Volume 4, Issue 5, May 2016, ISSN: 2347-6532.

30.S. K. Datta, T. Biswas and D. C. Pramanik: Some growth properties of entire functions depending on their relative orders, Int. J. Open Problems Compt. Math., Vol. 8, No. 2, June 2015, ISSN 2074-2827.

31.S. K. Datta, T. Biswas and D. C. Pramanik: On the growth analysis related to maximum term-based relative order of entire functions, International J. of Math. Sci. & Engg. Appls. (IJMSEA), Vol. 8 No. V (September, 2014), pp. 231-242

32.S. K. Datta and D. C. Pramanik : Some results in connection with the bounds for the zeros of entire functions in the light of slowly changing functions, Theory and Application of Mathematics & Computer Science, Vol. 4, No. 2(2014), pp. 154-169; ISSN:2067-2764, EISSN:2247-6202.

33. S. K. Datta and D. C. Pramanik : Some derivations on the bounds for the zeros of entire functions based on slowly changing functions, Italian Journal of Pure and Applied Mathematics(IJPAM), No. 32(2014), pp.283-300 ; ISSN:2239-0227.

34.S. K. Datta and D. C. Pramanik : Deductions on slowly changing functions oriented bounds for the zeros of entire functions, International Journal of Mathematics And Its Applications (IJMAA), Vol. 2, No. 1(2014), pp. 23-41; ISSN:2347-1557(online).

35.S. K. Datta, T. Biswas and D. C. Pramanik : Growth of composite entire and meromorphic functions in the light of zero order and weak type, Universal Journal of Mathematics and Mathematical Sciences(UJMMS), Vol. 3, No. 1(2013), pp. 77-93; ISSN:2277-1417.

36.S. K. Datta, T. Biswas and D. C. Pramanik : Some results on the growth rates of composite entire and meromorphic functions based on zero order and weak type, International Journal of Advanced Scientific and Technical Research(IJAST), Vol.3, Issue 2(2012), pp. 585-599; ISSN: 2249-9954.

37.S. K. Datta, T. Biswas and D. C. Pramanik : Some inequalities concerning the generalised growth properties of composite entire functions in the light

of their maximum terms, International Journal of Mathematical Manuscripts(IJMM), Vol. 5, No.1(2012), pp. 23-32; ISSN: 0974-2883.

38. S. K. Datta, T. Biswas and D. C. Pramanik : Growth of differential monomials and differential polynomials generated by entire or meromorphic functions in the light of zero order, International Journal of Mathematical Archive(IJMA), Vol. 3, No.7(2012), pp. 2799-2808; ISSN: 2229-5046.

39. S. K. Datta, T. Biswas and D. C. Pramanik : Growth of Wronskians generated by entire or meromorphic functions on the basis of zero order and weak type, Global Journal of Computational Science and Mathematics (GJCSM), Vol. 2, No. 1(2012), pp. 23-37; ISSN: 2248-9908.

40. S. K. Datta, T. Biswas and D. C. Pramanik: On relative order and maximum term-related comparative growth rates of entire functions, Journal of Tripura Mathematical Society (Journal Tri. Math. Soc), Vol. 14 (2012), pp. 60-68; ISSN: 0972-1320.

G.   SEMINARS, CONFERENCES AND WORKSHOP:

1. Presented a paper entitled "Results on Uniqueness of Meromorphic Functions Weighted-Sharing a Set of Roots of Unity" in the "**3rd International Conference on Mathematical Modeling, Applied Analysis and Computaton-2020**" held during 07-09, August 2020 organized by Department of Mathematics, Faculty of Science JECRC University, Jaipur(Raj.), India.

2. Presented a paper entitled "Uniqueness of Differential Polynomials of a Meromorphic function Concerning Weighted Sharing" in the "**International Web-Conference on Complex Analysis and Differential Geometry: Revisiting**" held during June 29-30, 2020 organized by the department of Mathematics, SKBU, West Bengal, India.

3. Participated in the "Workshop on LIE GROUP AND LIE ALGEBRA" organized by the department of mathematics, University of North Bengal, during 2nd March- 4th March 2020.

4. Participated in the Instructional School for Teachers(IST) on "**Complex Analysis**" organized by National Centre for Mathematics (A joint centre of TIRF and IIT Bombay) held at Bhaskaracharya Pratishthana, Pune, During 13th May to 25th May, 2019.

5. Participated in 3 weeks Refresher Course in "Mathematical Sciences" organized by UGC-HRDC, ASC, University of North Bengal, Darjeeling, West Bengal, India from 7th December, 2018 to 27th December, 2018.

6. Presented a paper entitled "On Some Non-Linear Complex Differential Equations Related To Brück Conjecture And Their Solutions" in the International Seminar on **"Recent Advances in Mathematical Sciences and their Applications**" held during August 30-31, 2018 in Surya Sen Mahavidyalaya, Siliguri, West Bengal, India.

7. Participated in the workshop "**National Level Teachers' Enrichment Workshop in Mathematical Sciences(NLTEWMS-2018)**" organized by the Calcutta Mathematical Society in joint collaboration with the (Indian) Mathematics Consortium, Pune **during 23rd May - 6th June, 2018.**

8. Presented a paper entitled "Uniqueness of meromorphic functions in connection to Nevanlinna's five-value theorem" in the "**International Conference on Mathematics Analysis and its Applications 2018**" held during February 15-17, 2018 at Department of Mathematics, University of Burdwan, Golapbag, Burdwan, West Bengal, India.

9. Presented a paper entitled "Uniqueness of meromorphic functions sharing a set of small functions" in the "**International Conference on**

Mathematical Analysis and Application in Modeling 2018" held during January 09-12, 2018 at Department of Mathematics, Jadavpur University, West Bengal, India.

10. Participated in the Instructional School for Teachers on "**Functional Analysis**" organized by National Centre for Mathematics (A joint centre of TIRF and IIT Bombay) held at Bhaskaracharya Pratishthana, Pune, During 23rd October to 4th November, 2017.

11. Presented paper entitled "Growth properties of special type of differential polynomial on the basis of central index" in the "**International Conference on Exploring Advances in Mathematical Sciences 2017**" held during March 23-24, 2017 at Department of Mathematics, University of Gour Banga, Malda, West Bengal, India.

12. Presented paper entitled "On solutions of some non-linear differential equations in connection to Brück Conjecture" in the "**National Seminar on Recent Advances in Mathematics and its Applications**" held during March 01-02, 2017 at Department of Mathematics, University of Calcutta, West Bengal, India.

13. Acted as a Joint-Convener in the "**International Seminar on Topology, Analysis and Algebra**" organized by the Department of Mathematics, University of North Bengal during 11th – 12th February, 2017.

14. Participated in the Workshop on "**Selection Principle and Topological Game Theory**" conducted by Prof. LjubiŠa Kočinac, University of Nis, Serbia and organized by the Department of Mathematics, University of North Bengal during 13th to 20th February, 2017.

15. Presented paper entitled "Generalizations of Brück Conjecture and some non-linear complex differential equations" in the "**82nd Annual Conference of the Indian Mathematical Society**" held during December

27-30, 2016, organized by the Department of Mathematics, University of Kalyani, West Bengal, India.

16. Presented paper entitled "On the study of Brück Conjecture and some non-linear complex differential equations" in the "**National Conference on Advances in Mathematical Sciences**" held during December 22-23, 2016 at Department of Mathematics, Gauhati University, Assam, India.

17. Participated in 3 weeks Refresher Course in "Mathematical Sciences" organized by UGC-HRDC, CPDHE, University of Delhi, Delhi, from 30th August, 2016 to 20th September, 2016.

18. Presented paper entitled "Some results on the growth of entire functions on the basis of central index" in the "**International seminar on Gravitational waves: A recent vista to the universe-2016**" held during March 13, 2016 at Department of Mathematics, Raiganj University, West Bengal, India.

19. Participated in **West Bengal Science congress** held during 28th February and 1st March, 2015 in University of North Bengal.

20. Presented paper entitled "On relative order and maximum term related comparative growth rates of entire functions" in the "**National seminar on recent trends in mathematics-2013**" held during March 7-8, 2013 at Department of Mathematics, Kalyani University, West Bengal, India.

21. Participated in the workshop " **Workshop on general topology with special emphasis on proximities , compactifications and rings of continuous functions**" organized by Department of Mathematics, University of North Bengal **during 21st February -2nd March, 2013.**

22. Participated in **"National Seminar on Analysis Modeling and Geometric Topology"** organized by Department of Mathematics, University of Kalyani, West Bengal, India held during 21-22th March, 2012**.**

23. Participated in **"National Seminar on Analysis Modeling and Geometry "** organized by Department of Mathematics, University of Kalyani, West Bengal, India held during 10-11th March, 2011**.**

24. Participated in the Paryavaran Mitra Teachers Training programme held aboard the **"Science Express-Biodiversity Special"**, collaborative initiative of ministry of Environment & Forests and Department of Science and Technology, Govt. of India, coordinated and managed by Vikram A Sarabhai Community Science Centre, Ahmedabad on 1st July, 2012.

25. Participated in **Kajer Madhyame Ganit** held during 25.11.2009-26.11.2009. at Malda District Institute of Education & Training, Sovanagar, Malda, W.B..