

## Detail CV of Dr. Dibyendu Banerjee

1. Name : Dr. Dibyendu Banerjee



2. Date of birth : 19.10.1969

3. Date of joining at Visva-Bharati : 16/01/2003

4. Highest qualification : Ph.D

5. Area of expertise/interest: Complex Analysis

6. Number of research scholars produced: Four

7. Number of research scholars currently working: Five

8. Research article:

[1] “(p, q) th order of meromorphic functions”- B. K. Lahiri and **Dibyendu Banerjee**, GUMA, Vol. 2 (1995), 1-9.

[2] “On the existence of relative fix points”- B. K. Lahiri and **Dibyendu Banerjee**, Istanbul Univ. Fen. Fak. Mat. Dergisi, 55-56,(1996-97),283-292.

[3] “A note on maximum modulus theorem for several complex variables” - B. K. Lahiri and **Dibyendu Banerjee**, The Mathematics Education, Vol- XXXI, No-4, Dec,(1997),218-219.

[4] “Relative fix points of entire functions” - B. K. Lahiri and **Dibyendu Banerjee**, J. Indian Acad.Math.Vol-19, No-1,(1997),87-97.

[5] “(p, q) th order and type of integral and meromorphic functions”- B. K. Lahiri and **Dibyendu Banerjee**, Bull. Cal. Math. Soc., 89,(1997),179-190.

[6] “Some properties of analytic functions of several complex variables”- B. K. Lahiri and **Dibyendu Banerjee**, Bull. Cal. Math. Soc., 91(4), (1999),343-350.

[7] “Relative order of entire and meromorphic functions”- B. K. Lahiri and **Dibyendu Banerjee**, Proc. Nat. Acad. Sci., India, 69(A)III, (1999),339-354.

[8] “Generalised relative order of entire functions” - B. K. Lahiri and **Dibyendu Banerjee**, Proc. Nat. Acad. Sci., India, 72(A) IV,(2002),351-371.

[9] “A note on maximum term of composite entire functions”- **Dibyendu Banerjee**, Bull. Cal. Math. Soc., 95 (3), (2003), 235-240.

[10] “Relative order of meromorphic functions”- B. K. Lahiri and **Dibyendu Banerjee**, Proc. Nat. Acad. Sci., India, 75(A),II,(2005),129-135.

- [11] "A note on relative order of entire functions" - B. K. Lahiri and **Dibyendu Banerjee**, Bull. Cal. Math. Soc., 97 (3), (2005), 201-206.
- [12] "Entire functions of relative order  $(p, q)$ " B. K. Lahiri and **Dibyendu Banerjee**, - Soochow Journal of Mathematics, 31(4), (2005), 497-513.
- [13] "On  $p$ -th order of a function analytic in the unit disc"- **Dibyendu Banerjee**, Proc. Nat. Acad. Sci., India, 75(A), IV,(2005),249-253.
- [14] "A note on relative order of meromorphic functions"- **Dibyendu Banerjee**, Bull. Cal. Math. Soc., 98 (1), (2006), 25-30..
- [15] "A note on exponent of convergence of zeros of an entire function" - B. K. Lahiri and **Dibyendu Banerjee**, Mathematica Slovaca, 57(3), (2007), 297-299.
- [16] "Maximum term of iterated entire functions" - **Dibyendu Banerjee** and Srimanta Jana, Journal of Indian Academy of Mathematics, 29, No.1 (2007),181-195.
- [17] "Meromorphic functions of relative order  $(p, q)$ " - **Dibyendu Banerjee** and Srimanta Jana, Soochow Journal of Mathematics, 33(3) July (2007),343-357.
- [18] "Relative order of entire functions of two complex variables"- **Dibyendu Banerjee** and Ratan Kumar Dutta, International Journal of Mathematical Sciences and Engineering Applications. Vol. I No. 1, (2007), 141-154.
- [19] "Relative sharing and order of meromorphic functions"- **Dibyendu Banerjee** and Ratan Kumar Dutta, Journal of Indian Academy of Mathematics.Vol-29, No.-2, (2007), 425-431.
- [20] "Relative order of functions of two complex variables analytic in the unit disc" **Dibyendu Banerjee** and Ratan Kumar Dutta, Journal of Mathematics,Vol-1, (2008), 37-44.
- [21] "Growth of iterated entire functions"-**Dibyendu Banerjee** and Srimanta Jana, International Journal of Mathematical Sciences and Engineering Applications Vol-2,No.-2(2008), 95-104.
- [22]"Relative order of functions analytic in the unit disc"-**Dibyendu Banerjee** and Ratan Kumar Dutta, Bull. Cal. Math. Soc.,101(1),(2009),95-104.
- [23] "Relative fix-points of factor order of rational entire functions"-**Dibyendu Banerjee** and Srimanta Jana, Indian Journal of Mathematics. Vol- 51, No.1, April (2009),127-136.
- [24] "Defects of relative iteration of entire functions"-**Dibyendu Banerjee** and Srimanta Jana, International Journal of Mathematical Analysis, Vol.3, No.27 (2009),1325-1330.
- [25] "The growth of iterated entire functions"-**Dibyendu Banerjee** and Ratan Kumar Dutta, Journal of Indian Academy of Mathematics Vol-30, No.- 2,(2008),489-495.
- [26] "Relative fixpoints of factor order of transcendental entire functions" **Dibyendu Banerjee** and Srimanta Jana, Indian Journal of Mathematics. Vol- 52, No.1, April (2010),209-216.
- [27] "On Fix-Points of Generalised Composite Transcendental Entire Functions" **Dibyendu Banerjee** and Srimanta Jana, Bulletin of Allahabad Mathematical Society, Vo25,No.1, (2010),201-207.
- [28] "Comparative growth of maximum modulus and maximum term of iterated entire

functions”- **Dibyendu Banerjee** and Srimanta Jana, Journal of Indian Academy of Mathematics, Vol – 31, No.2 (2009),351-360.

[29] “Relative Ritt order of entire Dirichlet series” B. K. Lahiri and **Dibyendu Banerjee**, Int. J. Contemp. Math. Science, Vol-5, No.44 (2010), 2157 - 2165.

[30] “On growth properties of iterated entire and composite entire and meromorphic functions” **Dibyendu Banerjee** and Srimanta Jana, Journal of Indian Acad. Maths., Vol. 32, No.1 (2010), 295-309.

[31] “On growth of iterated entire functions” **Dibyendu Banerjee** and Ratan Kumar Dutta, Bulletin of Allahabad Mathematical Society, Vol-25, No.2, (2010), 333-340.

[32] “On algebraic properties of class of meromorphic functions”-**Dibyendu Banerjee** and Gakul Sahu - The Mathematics Education Vol - XLII, No.1, March,(2008),8-11

[33] “Growth of a class of iterated entire functions” **Dibyendu Banerjee** and Ratan Kumar Dutta, Bulletin of Mathematical Analysis and Applications, Vol-3, Issue-1, (2011), 77-88 .

[34] “On Meromorphic functions of relative order(p,q)” **Dibyendu Banerjee** and Srimanta Jana, International Journal of Mathematical Analysis, Vol.5, No.28 (2011),1391-1398.

[35] “On p-th order of a function of two complex variables analytic in the unit poly disc”- **Dibyendu Banerjee** and Ratan Kumar Dutta, Proc. Nat. Acad. Sci., India Sect A, Vol 81, Pt.1, 2011, 49-58.

[36] “The growth of iterated entire functions” **Dibyendu Banerjee** and Ratan Kumar Dutta, Bulletin of Mathematical Analysis and Applications, Vol-3, Issue-3, (2011), 35-49.

[37] “On Maximum term of iterated entire functions” - **Dibyendu Banerjee** and Ratan Kumar Dutta, Journal of Indian Academy of Mathematics, Vol 33, No. 1(2011), 297-308.

[38] ” Maximum modulus and maximum term of generalised iterated entire functions” **Dibyendu Banerjee** and Nilkanta Mondal, Bulletin of Allahabad Mathematical Society, Vol-27, No.1, (2012), 117-131.

[39] “On order of Banach valued analytic functions” **Dibyendu Banerjee** and Nilkanta Mondal, Journal of Informatics and Mathematical Sciences , Vol 4, No.3(2012), 305-309.

[40] “Growth of generalized iterated entire functions ” **Dibyendu Banerjee** and Nilkanta Mondal, Bulletin of Allahabad Mathematical Society Vol 27, No.2, (2012), 239-254 .

[41] “On the growth of iterated entire functions” **Dibyendu Banerjee** and Nilkanta Mondal, International journal of Analysis and Applications, Vol 4, No.1(2014), 21-25.

[42 ] “On maximum modulus and maximum term of iterated entire functions ” **Dibyendu Banerjee** and Nilkanta Mondal, Indian Journal of Mathematics, Vol 55, No.3(2013),283-295.

[43] ” On value sharing of meromorphic functions” **Dibyendu Banerjee** and Biswajit Mandal, International Journal of Mathematical Archive, Vol.4, No.12(2013),147-152.

[44] ” Relative  $\lambda$ -fixpoints of factor order of transcendental entire functions” **Dibyendu Banerjee** and Biswajit Mandal, JP Journal of Mathematical Sciences, Vol. 9, Issues 1 & 2, October & December (2013), 7-15.

- [45] "On the existence of relative fix points of a certain class of complex functions, **Dibyendu Banerjee** and Biswajit Mandal, " Istanbul Univ. Sci. Fac. J. Math. Phys. Astr., Vol 5,(2014), 9-16.
- [46] "A note on growth properties of generalised iterated entire and composite entire and meromorphic functions" **Dibyendu Banerjee** and Nilkanta Mondal, International Journal of Mathematical Sciences and Engineering Applications, Vol 8, No.V(2014),265-273.
- [47] "Growth properties of generalized iterated entire and composite entire and meromorphic functions" **Dibyendu Banerjee** and Nilkanta Mondal, Konuralp Journal of Mathematics, Vol-2, No.2(2014),70-75.
- [48] "Growth of generalized iterated entire functions" **Dibyendu Banerjee** and Nilkanta Mondal, International Journal of Mathematical Archive, Vol.6, No.3(2015),112-118.
- [49] "Relative fix points of a certain class of complex functions", **Dibyendu Banerjee** and Biswajit Mandal, Istanbul Univ. Sci. Fac. J. Math. Phys. Astr. Vol 6,(2015),15-25.
- [50] "On Relative Sharing of Meromorphic Functions"-**Dibyendu Banerjee** and Ratan Kumar Dutta, The Mathematics Education, Vol- XLIV, No.1, March,(2010), 69-77.
- [51] "Relative order and type of entire functions represented by Banach valued Dirichlet series in two variables" **Dibyendu Banerjee** and Nilkanta Mondal, International Journal of Nonlinear Analysis and Applications, Vol.7 Issue 1(2015), 1-14.
- [52] "Generalised iteration of entire functions with finite iterated order", **Dibyendu Banerjee** and Biswajit Mandal, Journal of Classical Analysis, Vol. 7, No. 1(2015), 47-62.
- [53] "On the existence of generalized fix points", **Dibyendu Banerjee** and Biswajit Mandal, International Journal of Mathematical Archive, Vol.7, No.1(2016), 84-92 .
- [54] "On the growth properties of generalized iterated entire functions" **Dibyendu Banerjee** and Nilkanta Mondal, Konuralp Journal of Mathematics, Vol-4, No.1(2016), 92-107.
- [55] "Iterated entire functions with finite iterated order sharing three values IM", **Dibyendu Banerjee** and Biswajit Mandal, International Journal of Mathematical Sciences and Engineering Applications, Vol 10, No.II (2016), 133-147.
- [56] "Further results on generalised iteration of entire functions with finite iterated order", **Dibyendu Banerjee** and Biswajit Mandal, Journal of Classical Analysis, Vol. 9, No. 1(2016), 13-25.
- [57] "Generalised iteration of entire functions with index-pair  $[p,q]$ ", **Dibyendu Banerjee** and Biswajit Mandal, Konuralp Journal of Mathematics, Vol-5, No.1(2017),132-144.
- [58] "Relative L-Ritt order of entire Dirichlet series", **Dibyendu Banerjee** and Simul Sarkar, International Journal of Mathematical Archive, Vol.8, No.7(2017), 42-47 .
- [59] "Hyper relative order  $(p, q)$  of entire functions", **Dibyendu Banerjee** and Saikat Batabyal, Annals of West University of Timisoara - Mathematics and Computer Science, Vol.LV, No.2 (2017), 65-84.
- [60] " $(p, q)$ th relative Gol'dberg order of entire functions of several variables" **Dibyendu Banerjee** and Simul Sarkar, International Journal of Mathematical Sciences and Engineering Applications, Vol 11, No.III(2017),185-201.

- [61] "Growth of composite entire and meromorphic functions", **Dibyendu Banerjee** and Mithun Adhikary, Bull. Cal. Math. Soc., 110(4),(2018), 323-332.
- [62] "On  $(p,q)$ th Gol'dberg order and  $(p,q)$ th Gol'dberg type of an entire function of several complex variables represented by multiple Dirichlet series", **Dibyendu Banerjee** and Simul Sarkar, South East Asian J. of Mathematics and Mathematical Sciences, 15(1) (2019),15-24.
- [63] "A note on  $(p,q)$ th relative Gol'dberg order of entire functions of several variables", **Dibyendu Banerjee** and Simul Sarkar, Bulletin of Allahabad Mathematical Society,34(1)(2019), 25-37.
- [64] "On relative order of composite function with respect to a composite function", **Dibyendu Banerjee** and Mithun Adhikary, International Journal of Mathematics Trends and Technology, 65(7) (2019), 338-351.
- [65] "On the existence of generalised fix points of functions of class II", **Dibyendu Banerjee** and Sumanta Ghosh, South East Asian J. of Mathematics and Mathematical Sciences, 15(2) (2019), 43-58.
- [66] "On relative fix points of functions of class II", **Dibyendu Banerjee** and Sumanta Ghosh, International Journal of Mathematics Trends and Technology, 65(11) (2019), 103-114.
- [67] "Some results on composition of three entire functions", **Dibyendu Banerjee** and Mithun Adhikary, South East Asian J. of Mathematics and Mathematical Sciences, 15(3) (2019), 23-40.
- [68] "k-relative fix points of functions of class II", **Dibyendu Banerjee** and Sumanta Ghosh, Asian Journal of Mathematics and Applications, 2020 (2020), 9 pages.
- [69] "A study on growth properties of n-iterated entire functions", **Dibyendu Banerjee** and Simul Sarkar, Asian Journal of Mathematics and Applications, 2020 (2020), 13 pages.
- [70] "Study on growth of k-iterated entire functions", **Dibyendu Banerjee** and Sumanta Ghosh, South East Asian Journal of Mathematics and Mathematical Sciences, 16(1) (2020), 189-206.
- [71] " $[p,q]^{\text{th}}$  relative L-Ritt order of entire Dirichlet series", **Dibyendu Banerjee** and Simul Sarkar, Journal of Mathematics and Statistics Research, Vol 2(1) (2020), 1-5.
- [72] "Further results on growth of composite entire and meromorphic functions", **Dibyendu Banerjee** and Mithun Adhikary, Ganita, Vol 70(1) (2020), 85-94.
- [73] "Growth of a class of iteration of k-entire functions", **Dibyendu Banerjee** and Sumanta Ghosh, Asian Journal of Mathematics and Applications, 2020 (2020), 14 pages.
- [74] "Maximum Modulus and maximum term of Generalized iteration of n Entire functions", **Dibyendu Banerjee** and Simul Sarkar, Asian Journal of Mathematics and Applications, 2021(2021),11 pages.
- [75] "Composition of three entire functions with finite iterated order", **Dibyendu Banerjee** and Mithun Adhikary, Konuralp Journal of Mathematics, Vol-9, No.1(2021),10-18.
- [76] "Generalised relative fix points of k-iterated functions of class II", **Dibyendu Banerjee** and Sumanta Ghosh, South East Asian Journal of Mathematics and Mathematical Sciences, 17(1) (2021), 17-30.