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Molla Basir Ahmed



Assistant Professor

[Google Scholar : <https://scholar.google.com/citations?hl=en&user=IWSPKoMAAAAJ>

Research Gate : <https://www.researchgate.net/profile/Molla-Basir-Ahamed>]

S k i l l s : L a T e X , W o r d , M a t h e m a t i c a , P o w e r P o i n t
P r e s e n t a t i o n , C-Programming, C++, MATLAB.

1. A r e a o f T e a c h i n g :

- (a) UG : Analytical Geometry 2D & 3D, Calculus, Real Analysis, Complex analysis, Numerical Analysis, Engineering Mathematics.
(b) PG : Functional Analysis, Linear Algebra, Topology, Abstract Algebra.

T e a c h i n g E x p e r i e n c e : 6 y e a r s

Current Affiliation

Kalipada Ghosh Tarai Mahavidyalaya

Past Affiliation
Not Applicable

P h . D . G u i d a n c e : N i l

E d u c a t i o n

Post Doctoral Fellow.

“Geometric Function Theory” and “Nevanlinna Theory”, Discipline of Mathematics, School of Basic Sciences, Indian Institute of Technology Bhubaneswa, 14.09.2020 to 31.05.2021.

Ph.D.

Thesis Title: “Certain Investigations on Some Uniqueness Properties of Entire and Meromorphic Functions”, Date of Award : 18/07/2017, Department of Mathematics, University of Kalyani, W.B.

M. Phil.

NOT APPLICABLE

Post-Graduate

M.Sc. in “Mathematics and Computing”, 2012, Indian Institute of Technology Guwahati

P u b l i c a t i o n

PUBLICATION METRICS

For all Time

Book	Paper/Article	Chapter	Total Citation
01	25	00	54

1. **Molla Basir Ahamed**, *Meromorphic functions and some shared value problems*, LAP LAMBERT Academic Publishing, ISBN: 978-620-2-51180-3.
2. **Molla Basir Ahamed**, Vasudevrao Allu and Himadri Halder, *Bohr radius for certain classes*

of close-to-convex harmonic mappings, Analysis and Mathematical Physics, (2021) 11:111 (SCI, Springer) (**Impact Factor-2.056**)

3. **Molla Basir Ahamed**, Vasudevrao Allu and Himadri Halder, *Improved Bohr inequalities for certain class of harmonic univalent functions*, Complex Variables and Elliptic Equations (SCI, Taylor & Francies) (Accepted)(2021).
4. **Molla Basir Ahamed**, *The Bohr phenomenon for analytic function in shifted disks*, Annales Academiae Scientiarum Fennicae-Mathematica (SCI)(Accepted)(2021).
5. **Molla Basir Ahamed**, On the Fermat-type difference equation $f^3(z) + [c_1 f(z + c) + c_0 f(z)]^3 = e^{\alpha z + \beta}$, Journal of Contemporary Mathematical Analysis, (SCI) (Accepted) (2021).
6. **Molla Basir Ahamed**, Uniqueness of $P(f)$ and $[P(f)]^{(k)}$ concerning weakly weighted sharing, Advanced Studies of Contemporary Mathematics (Accepted) (2021)
7. Abhijit Banerjee and **Molla Basir Ahamed**, *Results on meromorphic function sharing two sets with its linear c -difference operator*, Journal of Contemporary Mathematical Analysis, 55(3)(2020), 143-155.
8. **Molla Basir Ahamed**, *On uniqueness of two meromorphic functions sharing three sets with finite weights*, Matematychni studii 53(2)(2020), 147-158.
9. **Molla Basir Ahamed**, *Brück Conjecture and certain solution of some differential equation*, Tamkang Journal of Mathematics 51(3)(2020), 245-259.
10. Molla Basir Ahamed, *Set shared by an entire function with its k -th derivatives using normal families*, Kyungpook Mathematical Journal, 60(2)(2020), 387-399.
11. Abhijit Banerjee and **Molla Basir Ahamed**, *Uniqueness of meromorphic function with its shift operator under the purview of two or three shared sets*, Mathematica Slovaca, 69(3)(2019), 557-572.
12. Abhijit Banerjee and **Molla Basir Ahamed**, *On sufficient conditions for the periodicity of meromorphic functions under new shared sets*, FILOMAT, 33(18)(2019), 6055-6072.
13. **Molla Basir Ahamed**, *On the periodicity of a meromorphic function when sharing two sets IM* , Stud. Univ. Babes-Bolyai Mathematica, 64(3)(2019), 497-510.
14. **Molla Basir Ahamed**, *On uniqueness of two meromorphic functions sharing a small function*, Konuralp Journal of Mathematics, 7(2)(2019), 252-263.
15. Abhijit Banerjee and **Molla Basir Ahamed**, *Further investigations on some results of Yu, J.* Classical Anal., 14(1)(2019), 1-16.
16. **Molla Basir Ahamed**, *Uniqueness of two differential polynomials of a meromorphic function sharing a set*, Commun. Korean Math. Soc., 33(4)(2018), 1181-1203.

17. Abhijit Banerjee and **Molla Basir Ahamed**, Yu's result – A Further Extension, *Electronic J. Math. Anal. Appl.*, 6(2)(2018), 288-306.
18. Abhijit Banerjee and **Molla Basir Ahamed**, *Generalization of the question of C. C. Yang in the light of weighted shared sets*, *Journal of Indian Mathematical Society*, 86(1-2)(2019), 01-21.
19. Abhijit Banerjee and **Molla Basir Ahamed**, *Polynomial of a meromorphic functions and its k-th derivative sharing a set*, *Rend. Circ. Mat. Palermo, II. Ser.*, 67(3)(2018), 581-598.
20. Abhijit Banerjee and **Molla Basir Ahamed**, *Rational function and differential polynomial of a meromorphic function sharing a small function*, *Bulletin of Transilvania University of Brasov, Series III, Mathematics, Informatics, Physics*, 59(1)(2017), 1-18.
21. Abhijit Banerjee and **Molla Basir Ahamed**, *Uniqueness of certain power of a meromorphic functions sharing a set with its differential monomials*, *Bul. Acad. Stiinte Repub. Mold. Mat.*, 82(3)(2016), 99-120.
22. Abhijit Banerjee and **Molla Basir Ahamed**, *Non-linear differential polynomials sharing a non-zero polynomial with finite weight*, *Math. Bohemica.*, 141(1)(2016), 13-36.
23. Abhijit Banerjee and **Molla Basir Ahamed**, *Uniqueness of a polynomial and a differential monomial sharing a small function*, *An. Univ. Vest Timiş. Ser. Mat.-Inform.*, 54(1)(2016), 55-71.
24. Abhijit Banerjee and **Molla Basir Ahamed**, *On uniqueness of meromorphic functions sharing three sets with finite weights*, *Bull. Pol. Acad. Sci. Math.*, 62(3)(2014), 243-256.
25. Abhijit Banerjee and **Molla Basir Ahamed**, *Meromorphic function sharing a small function with its differential polynomial*, *Acta Univ. Palack. Olomuc. Fac. Rerum Natur. Math.*, 54(1)(2015), 33-45.
26. Abhijit Banerjee and **Molla Basir Ahamed**, *Results on certain non-linear Differential polynomials sharing a small function*, *Istanbul Univ. Sci. Fac. J. Math. Phys. Astr.*, 5 (2014), 17-34.

C o n f e r e n c e

For all Time

Organized	Paper Presented	Participated	Abroad
00	06	01	02

1. Molla Basir Ahamed, Presented Talk on **Introduction to Nevanlinna Theory**, Geometric Function Theory Group India, Organized by Indian Institute of Technology Bhubaneswar, 20.03.2021.

2. Molla Basir Ahamed, Presented Talk on, **Nevanlinna First Fundamental Theorem**, Geometric Function Theory Group India, Organized by Indian Institute of Technology Bhubaneswar, 03.04.2021.
3. Molla Basir Ahamed, Presented Talk on **Nevanlinna Second Fundamental Theorem**, Geometric Function Theory Group India, Organized by Indian Institute of Technology Bhubaneswar, 17.04.2021.
4. Molla Basir Ahamed, paper presented : **On uniqueness of a meromorphic function and its higher difference operators sharing two sets**, International Conference on Difference Nevanlinna Theory and Complex Difference equations, December, 05 to 07, 2020, China.
5. Molla Basir Ahamed, Paper presented: **Uniqueness of meromorphic functions in view of shared value problems**, The VI conference of Mathematica and Computer Science, "Congrassio-Mathematica VI", Poland, November 22 to 28, 2020.
6. Molla Basir Ahamed, paper presented: **Uniqueness result of meromorphic functions and some sharing problems**, International Conference on Mathematical Analysis & Applications, Organized by Department of Mathematics, National Institute of Technology Jamshedpur, India, November, 02-04, 2020.
7. Molla Basir Ahamed, **35th Annual Conference of the Ramanujan Mathematical Society**, December 28-30, 2020 (attended).
8. **National seminar on Analysis and Applications** (Celebrated 100 years of General Theory of Relativity), Organized by Department of Mathematics, West Bengal State University, Barasat, presented a paper titled: **Non-linear Differential Polynomials sharing a non-zero rational function with finite weight**, 10th – 11th March, 2016.
9. **7th International Conference on Research in Science and Technology (ICRST)**, held at **Nanyang Technological University, Singapore**, Organized by World Association for Scientific research and Technical Innovation (WASRTI), presented a paper titled: **Rational function of a meromorphic function sharing a small function with its differential polynomials**, 10th – 11th November, 2016.
10. **82nd Annual Conference of The Indian Mathematical Society (IMS)**, Organized by Department of Mathematics, **University of Kalyani**, presented a paper titled: **Yu's Result – A further extension**, 27th – 30th December, 2016.
11. **ISTAA – 2017**, organized by the Department of Mathematics, **University of North Bengal**, presented a paper titled: **Xu-Yi-Yang's result: a further extension**, 10th -11th February, 2017.
12. **International Conference on Exploring Advances in Mathematics**, Organized by Department of Mathematics, **University of Gour Banga**, presented a paper titled: **Further investigation on the uniqueness of meromorphic function and its derivative sharing a set**, 23rd – 24th March, 2017.
13. National Seminar on **Contemporary Research in Theoretical and Applicable**

Mathematics, presented a research article titled: **Rational function and Differential Polynomial of a Meromorphic function sharing a small function**, 8th – 9th September, 2017, Department of Mathematics, The Bhawanipur Education Society College jointly with Calcutta Mathematical Society.

14. **International Conference on Mathematical Sciences and Applications (ICMSA)**, February 26-28, 2020, organized by Department of Mathematics, University of Kalyani, Sponsored by UGC-SAP-DRS-II, Paper Title : **An investigation on the conjecture of Chen and Yi**.
15. **National Seminar on Recent Trends in Mathematics (NSRTM-2013)**, Organized by Department of Mathematics, **University of Kalyani**, 2013.
16. **National Seminar on Recent Advances in Mathematics and its Applications (RAMA-2016)**, Organized by Department of Mathematics, **University of Calcutta**, 24th – 25th February, 2016.
17. **State Level Seminar on Quality Assurance of Higher Education** in India, Organized by APC Roy Government College, Siliguri, in Collaboration with **North Bengal University Alumni Association**, 22nd September, 2016.

M a t h e m a t i c s T r a i n i n g S e a r c h P r o g r a m (M T T S)

1. **Instructional Schools for Teachers on “Complex Analysis”**, National Centre for Mathematics (A joint Centre of TIFR and IIT Bombay), Bhaskaracharya Pratisthana, Pune, 16th – 28th November, 2015.
2. **Teachers Enrichment Workshop**, National Centre for Mathematics (A joint centre of TIFR and IIT Bombay), Organized by Department of Mathematics, Presidency University, on Rings and Fields, Complex Analysis, Geometry of Curves, 4th–9th January, 2016.
3. **Pedagogical Training for Mathematics Teachers**, Organized under the aegis of MTTS Trust, March 26 – 31, 2018, Tripura University, Agartala.