Publication List

Preprints

1. **Himadri Halder**, Vector valued pluriharmonic functions within the framework of local Banach space theory and their applications, preprint.
2. **Himadri Halder**, Arithmetic Bohr radius and local Banach space theory, https://arxiv.org/abs/2512.19411
3. **Himadri Halder**, Local Banach space theoretic approach to Bohr's theorem for vector valued holomorphic and pluriharmonic functions, https://arxiv.org/abs/2512.09091

Publications

1. Vasudevarao Allu, **Himadri Halder**, and Subhadip Pal, Multidimensional Bohr radii for holomorphic functions with values in complex Banach spaces, ***Complex Analysis and Operator Theory*** **20** (2026), Article No. 97, 17 pp.
DOI: https://doi.org/10.1007/s11785-026-01952-2. Impact Factor: **0.8**. **Quartile: Q2**
2. Molla Basir Ahamed, Vasudevarao Allu, and **Himadri Halder**, Bohr inequalities for the class of unimodular bounded functions on shifted disks, ***Bulletin des Sciences Mathématiques*** **199** (2025), 103577,
DOI: https://doi.org/10.1016/j.bulsci.2025.103577. Impact Factor: **1.3**. **Quartile: Q1**
3. Vasudevarao Allu, **Himadri Halder**, and Subhadip Pal, Arithmetic Bohr radius for the Minkowski space, ***Forum Mathematicum*** **37** (2025), 987–995, DOI: https://doi.org/10.1515/forum-2023-0425. Impact Factor: **1.0**. **Quartile: Q1**
4. Vasudevarao Allu and **Himadri Halder**, Bohr phenomenon for harmonic Bloch functions, ***Analysis Mathematica*** **51** (2025), 35–62,
DOI: https://doi.org/10.1007/s10476-025-00063-y. Impact Factor: **0.6**. **Quartile: Q2**
5. Vasudevarao Allu and **Himadri Halder**, Bohr radius for Banach spaces on simply connected domains, ***Proceedings of the Edinburgh Mathematical Society*** **67** (2024), 113–141. DOI: https://doi.org/10.1017/S0013091523000688. Impact Factor: **0.9**. **Quartile: Q2**
6. Molla Basir Ahamed, Vasudevarao Allu, and **Himadri Halder**, Asymptotic behaviour of Bohr's Radii for Polynomials on simply connected domains, ***C. R. Math. Acad. Sci. Paris*** **363** (2025), 1047–1058.
DOI: https://doi.org/10.5802/crmath.625. Impact Factor: **0.8**. **Quartile: Q1**
7. Vasudevarao Allu and **Himadri Halder**, Landau's theorem for harmonic Bloch functions on simply connected domains, ***Complex Variables and Elliptic Equations*** **70** (2025), 213–227. DOI: https://doi.org/10.1080/17476933.2023.2298834. Impact Factor: **0.6**. **Quartile: Q2**

8. Vasudevarao Allu and **Himadri Halder**, Bohr operator on operator valued poly-analytic functions on simply connected domains, ***Canadian Mathematical Bulletin*** **66**(4), 1411–1422 (2023). DOI: http://dx.doi.org/10.4153/S0008439523000541. Impact Factor: **0.5**. **Quartile: Q2**

9. Molla Basir Ahamed, Vasudevarao Allu, and **Himadri Halder**, Improved Bohr inequalities for certain class of harmonic univalent functions, ***Complex Variables and Elliptic Equations*** **68** (2023), 267–290, DOI: https://doi.org/10.1080/17476933.2021.1988583. Impact Factor: **0.6**. **Quartile: Q2**

10. Vasudevarao Allu, **Himadri Halder**, and Subhadip Pal, Bohr and Rogosinski inequalities for operator valued holomorphic functions, ***Bulletin des Sciences Mathématiques*** **182** (2023), 103214, DOI: https://doi.org/10.1016/j.bulsci.2022. Impact Factor: **1.3**. **Quartile: Q1**

11. Vasudevarao Allu and **Himadri Halder**, The Bohr inequality for certain harmonic mappings, ***Indagationes Mathematicae*** **33** (2022), 581–597, DOI: https://doi.org/10.1016/j.indag.2021.12.004. Impact Factor: **0.8**. **Quartile: Q2**

12. Vasudevarao Allu and **Himadri Halder**, Operator valued analogues of multidimensional Bohr's inequality, ***Canadian Mathematical Bulletin*** **65** (2022), 1020–1035, DOI: https://doi.org/10.4153/S0008439521001077. Impact Factor: **0.5**. **Quartile: Q2**

13. Vasudevarao Allu and **Himadri Halder**, Bohr phenomenon for certain close-to-convex analytic functions, ***Computational Methods and Function Theory*** **22** (2022), 491–517, DOI: https://doi.org/10.1007/s40315-021-00412-6. Impact Factor: **0.7**. **Quartile: Q2**

14. Molla Basir Ahamed, Vasudevarao Allu and **Himadri Halder**, The Bohr phenomenon for analytic functions on shifted disks, ***Annales Fennici Mathematici*** **47** (2022), 103-120, DOI: https://doi.org/10.54330/afm.112561. Impact Factor: **1.19**. **Quartile: Q1**

15. Vasudevarao Allu and **Himadri Halder**, Bohr phenomenon for certain subclasses of harmonic mappings, ***Bulletin des Sciences Mathématiques*** **173**, December 2021, 103053, DOI: https://doi.org/10.1016/j.bulsci.2021.103053. Impact Factor: **1.3**. **Quartile: Q1**

16. Molla Basir Ahamed, Vasudevarao Allu, and **Himadri Halder**, Bohr radius for certain classes of close-to-convex harmonic mappings, ***Analysis and Mathematical Physics*** **11** (2021), Paper No.111, 30 pp, DOI: https://doi.org/10.1007/s13324-021-00551-y. Impact Factor: **1.6**. **Quartile: Q1**

17. Vasudevarao Allu and **Himadri Halder**, Bohr radius for certain classes of starlike and convex univalent functions, ***Journal of Mathematical Analysis and Appli-***

cations **493**(2021), 124519, DOI: https://doi.org/10.1016/j.jmaa.2020.124519. Impact Factor: **1.2**. **Quartile: Q1**

Conference Proceedings

1. Molla Basir Ahamed, Vasudevarao Allu and **Himadri Halder**, On the Bohr phenomenon, Current research in Mathematical and Computer Sciences-III, Publisher UWM, Olsztyn (2022), 35–59.

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