

CURRICULUM VITAE

Name: Dr. Md. Monirul Islam

Designation: Assistant Professor

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Area of interest: Topology.

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Education:

1. Secondary Examination, 2007, Nai Mouja High School, Sujapur, Malda (90.75%).
2. Higher Secondary Examination, 2009, A. C. Institution, Malda (78.80%).
3. B.Sc. (Hons.), 2012, Malda College, Malda (69.25%).
4. M.Sc., 2014, University of Gour Banga, Malda (80.44%).
5. Ph.D., 2020, University of Gour Banga, Malda.

NET:

- (1) CSIR UGC NET, Dec 2015 (LS)
- (2) CSIR UGC NET, June 2016 (LS)
- (3) CSIR UGC NET, Dec 2016 (JRF)

Publications:

1. (With Shyamapada Modak) *More on α -topological spaces*, Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, 66 (2) (2017), 323 – 331.
DOI: https://doi.org/10.1501/Commua1_0000000822
2. (With Shyamapada Modak) *New form of Njastad's α -set and Levine's semi-open set*, Journal of the Chungcheong Mathematical society, 30 (2) (2017), 165 – 175.
DOI: <https://doi.org/10.14403/jcms.2017.30.2.165>
3. (With Shyamapada Modak) *Operator associated with the $*$ and Ψ operators*, Journal of Taibah University for Science, 12 (4) (2018), 444 – 449.
DOI: <https://doi.org/10.1080/16583655.2018.1489585>
4. (With Shyamapada Modak) *On $*$ and Ψ operators in topological spaces with ideals*, Transactions of A. Razmadze Mathematical Institute 172 (3-B) (2018), 491 – 497.
DOI: <https://doi.org/10.1016/j.trmi.2018.07.002>

5. (With Shyamapada Modak) *Second approximation of local functions in ideal topological spaces*, Acta et Commentationes Universitatis Tartuensis De Mathematica, 22 (2) (2018), 245 - 256.
DOI: <https://doi.org/10.12697/ACUTM.2018.22.20>
6. (With Shyamapada Modak) *More connectedness in topological spaces*, Caspian Journal of Mathematical Sciences, 8 (1) (2019), 74 – 83.
DOI: <https://doi.org/10.22080/CJMS.2018.13741.1333>
7. (With Sk Selim and Shyamapada Modak) *Characterizations of Hayashi-Samuel spaces via boundary points*, Communications in Advanced Mathematical Sciences, 2 (3) (2019), 219 – 226.
Website: <https://dergipark.org.tr/en/pub/cams/issue/49152/546925>
8. (With Shyamapada Modak) *New operators in ideal topological spaces and their closure spaces*, Aksaray University Journal of Science and Engineering, 3 (2) (2019), 112 – 128. DOI: <https://doi.org/10.29002/asujse.605003>
9. (With Shyamapada Modak) *Generalized open sets vis-a-vis Δ -sets*, Konuralp Journal of Mathematics, 8 (1) (2020), 50 – 56.
Website: <https://dergipark.org.tr/en/pub/konuralpjournalmath/issue/31494/533091>
10. (With Sk Selim and Shyamapada Modak) *Common properties and approximations of local function and set operator Ψ* , Cumhuriyet Science Journal, 41 (2) (2020), 360 – 368. DOI: <https://doi.org/10.17776/cs.j.644158>
11. (With Chhapikul Miah, Shyamapada Modak and Sukalyan Mistry) *Role of ideals on σ -topological spaces*, Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, 71 (3) (2022), 870 – 883.
DOI: <https://doi.org/10.31801/cfsuasmas.1038097>
12. (With Shyamapada Modak and Sk Selim) *Sets and functions in terms of local function*, Al-Qadisiyah Journal of Pure Science, 27 (1) (2022), 91 – 102.
DOI: <https://doi.org/10.29350/qjps.2022.27.1.1483>
13. (With Chhapikul Miah and Shyamapada Modak) *Role of ψ -operator in the study of minimal open sets*, Iraqi Journal of Science, 64 (11) (2023), 5744 - 5755.
DOI: <https://doi.org/10.24996/ij.s.2023.64.11.22>
14. (With Chhapikul Miah and Shyamapada Modak) *Study of maximal open sets and its image with ideals*, submitted.
15. (With Kulchhum Khatun and Shyamapada Modak) *Parameter for connectedness on the generalized topological spaces*, accepted, Iranian Journal of Mathematical Sciences and Informatics.
16. (With Shyamapada Modak) *Closure functions induced by $*$ and ψ operators*, accepted, Advances in Topology, Dynamical Systems and Interdisciplinary Applications, Springer Nature.

Academic Presentations:

1. *A new form of connectedness in topological spaces*, International Conference on Exploring Advances in Mathematical Sciences 2017 (ICEAMS-2017), held on March 23 – 24, 2017, organised by Department of Mathematics, University of Gour Banga, Malda.
2. *Approximation of local functions in ideal topological spaces*, Recent Advances in Mathematical Sciences and their Applications (RAMSA-2018), held on August 30 to 31, 2018, organised by Department of Mathematics, Surya Sen Mahavidyalaya, Siliguri.
3. *Operators associated with Ψ^* and $*^\Psi$ operators in ideal topological spaces*, Contemporary Research in Theoretical and Applicable Mathematics 2018 (CRTAM – 2018), held on September 14 to 15, 2018, organised by Department of Mathematics, The Bhawanipur Education Society College, Kolkata.
4. *Sets associated with Δ operator in ideal topological spaces*, International conference MSAST 2018, held on December 21 to 23, 2018, organised by Institute for Mathematics, Bioinformatics, Information Technology and Computer Science (IMBIC), Kolkata.
5. *∇ - operator and its related sets*, Recent Trends in Mathematical Sciences (RTMS-2019), held on February 06 to 07, 2019, organised by Department of Mathematics, The University of Burdwan, Bardhaman.
6. *A study on connected GTS via hereditary classes*, 5th Regional Science and Technology Congress, 2022-23, held on 11th to 12th January, 2023, organised jointly by University of Gour Banga, Malda, West Bengal and Department of Science and Technology and Biotechnology, Government of West Bengal at University of Gour Banga, Malda.
7. *A study on connected GTS via hereditary classes*, 30th West Bengal State Science and Technology Congress, held on 28th February to 1st March, 2023, organised by Department of Science and Technology and Biotechnology, Government of West Bengal at Science City, Kolkata.

Workshop/ Refresher Course/ Orientation Programs etc.:

1. Two-week online refresher course in “**MATHEMATICS**” organised by “**Department of Mathematics, Ramanujan College**” from 16-30 March 2021 and obtained Grade A+.
2. 4-Week Induction/Orientation Programme for “**Faculty in Universities/ Colleges/ Institutes of Higher Education**” organised by “**Department of Mathematics, Ramanujan College**” from April 16 - May 15, 2021 and obtained Grade A+.
3. “**Faculty Induction Programme**” organised by the UGC Human Resource Development Centre, Aligarh Muslim University, from 8th February to 12th March, 2022 and obtained Grade A.
4. “**Workshop on NEP 2020 Implementation**” organised by the UGC Human Resource Development Centre, Aligarh Muslim University, from 26th August

to 27th August, 2022.

5. **“Teacher’s Enrichment Workshop”** on **“Groups and Geometry”** supported by **National Centre for Mathematics** (A joint centre of TIFR and IIT Bombay), organized by the Department of Mathematics, St. Xavier’s College (Autonomous), Kolkata from 5th June to 10th June, 2023.
6. Two-week online **Refresher Course in “Mathematics”**, theme "Recent Trends in Analysis and its Applications", organised by the UGC Human Resource Development Centre, Madurai Kamaraj University, from 17th August to 30th August, 2023 and obtained Grade A+.

Date: 31/05/2024