Dr. Ripan Saha

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Current Position	**Professor(Assistant)** Raiganj University, India.
Research Interest	**Associative and Non associative rings and algebras, Group theory.**
Education	**Jadavpur University, Kolkata** Ph.D., 2017- 2021. **Indian Institute of Science Education and Research, Mohali** DST-INSPIRE Fellow, Mathematics, January 2014-August 2016. **Indian Institute of Technology Kanpur** M.Sc., Mathematics, 2013. **Jadavpur University** B.Sc., Mathematics, 2011.
Research Experience	**Stat. Math. Unit, Indian Statistical Institute, Kolkata** Visiting Scholar, December 2015-July 2016 Supervisor: Prof. Goutam Mukherjee.
Awards and Fellowships	**DST-INSPIRE Research Fellowship** 2014-2016. **DST-INSPIRE SHE** 2008-2013. **CSIR-UGC NET** June 2013. **IIT-GATE** 2013. **Summer Research Program Fellowship** Indian Academy of Sciences 2012. **SPIM Fellowship** Harish Chandra Research Institute 2012. **IIT JAM** 2011.

Publications/Preprints	**1. On Hom-Groups and Hom-Group actions** (With Liangyun Chen, Tianqi Feng, Yao Ma, Hongyi Zhang), *arXiv:2003.14193v2*.
	2. Cup-product in equivariant Hom-Leibniz cohomology.
	3. On certain classes of algebras in which centralizers are ideals, (with David A. Towers), To appear, *J. Lie Theory*, 2021, *arXiv:2004.12110.*
	4. Involutive and oriented dendriform algebras(with A. Das) *Journal of Algebra*, **581 (2021) 63-91.**.
	5. Equivariant one parameter formal deformations of Hom-Leibniz algebras, (with Goutam Mukherjee), arXiv:1905.07721, To appear, *Communications in Contemporary Mathematics(2021).*
	6. On equivariant dendriform algebras (2020), (with A. Das), *Colloquium Mathematicum* **164 (2021), 283-303.**
	7. Cohomology and deformations of oriented dialgebras, (with Ali Koam), *arXiv:2001.02386.* *Journal of Homotopy and Related Structures*, **15, 511–536 (2020).**
	8. On Leibniz algebras whose centralizers are ideals, (with Pratulananda Das), arXiv:1903.09932. *Indian Journal of Pure and Applied Mathematics*, **51, 1555-1571 (2020). https://doi.org/10.1007/s13226-020-0481-x.**
	9. Cup-product in Hom-Leibniz cohomology and Hom-Zinbiel algebras (2020), *Communications in Algebra*, **48:10, 4224-4234.**
	10. On some special property of the Farey sequence, (2019), Mathematical Journal of Interdisciplinary Sciences, **7(2), 121-123.**
	11. Equivariant associative dialgebras and its one-parameter formal deformations (2019), *Journal of Geometry and Physics*, **Volume 146, December 2019, 103491.**
	12. Cup-product for equivariant Leibniz cohomology and Zinbiel algebras (2019) (with Goutam Mukherjee), *Algebra Colloquium*, **Vol. 26, No. 2, 2019, 271-284.**
Research work in Progress	
	13. Relative Rota-Baxter operators on dialgebras(2021), (with A. Das).

Journal Refereeing Service	**1. Colloq. Math.** **2. Reviewer for AMS MathSciNet.**
Grants Received	**ICTP Travel Grant(2015)** To visit: ICTP, Trieste, Italy. **ICTS Travel Grant(2017)** To visit: ICTS, Bangalore, India. **CIMPA Travel Grant(2018)** To visit: Institute of Mathematics, Tashkent, Uzbekistan. **CRM-CIMPA Fellowship (2021)** Laureates for the Intensive Research Programme on Higher Homotopica Centre de Recerca Matemàtica, Bercelona.
Talks	**CIMPA(2018) Research talk, Tashkent, Uzbekistan,** Equivariant Leibniz Cohomology(September,2018). **Jadavpur University,Kolkata, India.** Leibniz algebra with a finite group action and its cohomology(February,
Teaching	**Raiganj University** Instructor, M.Sc. 1st Semester, A Course on Abstract Algebra,17-18. Instructor, Real Analysis,Undergraduate 4th Semester, 2016-2017.
Languages and Skills	**English, Hindi, Bengali (Mother tounge),** LaTeX, MS-Word,C-programming.
Invited speaker	**"Winter school on basic mathematics for college students",** **Indian Statistical Institute (ISI) north east center at Tezpur,** 26th December 2016 to 3rd January 2017. **Balurghat College Mathematics Camp,** Balurghat College, West Bengal, India, 21st October 2018 to 10th November 2018.
Conferences attended	**30th Annual Conference of** **Ramanujan Mathematical Society,** IISER Mohali,India, May 15-17, 2015.

Workshops/ Schools attended:	**CIMPA-Non-associative algebra and applications,** Uzbekistan Academy of Sciences V.I.Romanovskiy Institute of Mathematics, 10th September to 21st September 2018.

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<tr><td>Workshops/
Schools attended:</td><td>CIMPA-Non-associative algebra and applications,
Uzbekistan Academy of Sciences V.I.Romanovskiy Institute of Mathematics,
10th September to 21st September 2018.</td></tr>
<tr><td></td><td>Geometry, Groups and Dynamics,
International Center for Theoretical Sciences (ICTS),India,
06th November 2017 to 24th November 2017.</td></tr>
<tr><td></td><td>AIS Algebraic Topology,
NEHU, Shillong, India,
12th June 2016 to 1st July 2016.</td></tr>
<tr><td></td><td>AIS Differential Geometry,
IIT Bombay, India,
9th May 2016 to 28th May 2016.</td></tr>
<tr><td></td><td>Advanced school and workshop on Geometry of discrete actions,
International Center for Theoretical Physics (ICTP), Trieste, Italy,
24th August to 4th September 2015.</td></tr>
<tr><td></td><td>Topology,
Indian Statistical Institute (ISI), Kolkata,
14th to 21st December 2015.</td></tr>
<tr><td></td><td>Some High Points of Undergraduate Mathematics Education,
Ramanujan Mathematical Society (RMS),
May 14, 2015.</td></tr>
<tr><td></td><td>Advanced Instructional School on Quadratic forms,
IISER Mohali, India,
2nd to 21st June 2014.</td></tr>
<tr><td></td><td>Advanced Instructional School on Lie Groups,
Indian Institute of Technology(IIT), Bombay, India,
July 7th to 26th 2014.</td></tr>
<tr><td></td><td>Lattices: Geometry and Dynamics,
IISER Mohai, India,
17th to 22nd December 2014.</td></tr>
<tr><td></td><td>ICTS-Knot theory and its applications,
IISER Mohali,India,
10th December to 20th December 2013</td></tr>
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Workshop/ Seminar organized	**National seminar on Mathematics and its Applications (2017),** At Raiganj University during 20th and 21st March 2017.
	Summer training program for school students(2018), Raiganj University.
	National seminar on Recent Trends of Mathematical Sciences and Its Applications (2019), At Raiganj University during 14th and 15th March 2019.
Administrative Activities	**Assistant controller of Examinations(Offg.),** Raiganj University, June 2017-February 2018.
	Member of Board of Studies, Raiganj University.
	Programme Officer, NSS Unit-V, Raiganj University.
	Center-in-charge for PG examination (2017), Raiganj University.

References

Prof. Goutam Mukherjee
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Jadavpur University
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