

## Dr. Ningthoujam Shibiraj Singh

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### Scientific Publication(s) in Journal [6 Nos.]

Year	Sl. No.	Details of Research Paper
2018	1	<b>Shibiraj N</b> , Tomba I: <i>Modified Hill Cipher: Secure Technique using Latin Square and Magic Square</i> , International Journal of Computer Science and Engineering, Vol. 6, Issue 12, pp. 315-320, December 2018. <b>[UGC J. No. 63193, UGC Approved]</b>
	2	<b>Shibiraj N</b> , Romen T and Tomba I: <i>Constructing Doubly Even Magic Squares using Reversion Process: A Simple Technique</i> , International Journal of Creative Research Thought (IJCRT), Vol. 6, Issue 1, pp. 1182 – 1187, March 2018. <b>[UGC J. No. 49023, UGC Approved]</b>
	3	<b>Shibiraj N</b> and Tomba I: <i>Fixed Points Under Odd magic Square Transformation</i> , International Journal of Latest Trends in Engineering and Technology (IJLTET), Vol. 9, Issue 4, pp. 057-060, February 2018. <b>[UGC J. No. 63199, UGC Approved]</b>
2017	4	Romen T, Tomba I and <b>Shibiraj N</b> : <i>Algorithm for a modified Technique on Construction of Odd Magic Squares using Basic Latin Squares</i> , International Journal of Science and Research, Vol. 6, Issue 2, pp. 943-948, February 2017.
2013	5	Tomba I and <b>Shibiraj N</b> : <i>Successful Implementation of the Hill and Magic Square Cipher: A new Direction</i> , International Journal of Advanced Computer Technology (IJACT), Vol. 2, No. 2, pp. 83-91, September 2013.
	6	Tomba I and <b>Shibiraj N</b> : <i>Improved Technique for Constructing Doubly Even Magic Squares using Basic Latin Squares</i> , International Journal of Scientific and Research Publications, Vol. 5, Issue 6, pp. 305-309, June 2013

### National Seminar / Conferences Attended:

- Attended a **Three Days National Conference on International Pi Day** organized by the **Department of Mathematics, Manipur University**, Imphal during 12<sup>th</sup> March – 14<sup>th</sup> March 2022.
- Presented research paper titled “**A Simple Technique for Constructing Doubly Even Magic Squares using Reversion Process**” in National Seminar on Advance in Mathematical Sciences organized by Department of Mathematics, D.M. College of Science, Imphal from 9<sup>th</sup> to 10<sup>th</sup> March 2018.

- Presented research paper titled **“Fixed Points under Odd Magic Square Transformation”** in 105<sup>th</sup> Indian Science Congress held at Manipur University, Imphal from 16<sup>th</sup> to 20<sup>th</sup> March 2018.
- Attended a **Three Days National seminar on the focal theme “ Science & Technology for National Development”** organized by ISCA- Imphal Chapter & Manipur University, Imphal during 2<sup>nd</sup> April – 4<sup>th</sup> April 2017.
- Attended a **Conference on History of Mathematical Sciences** organized by National Institute of Technology Manipur, Imphal and Indian Society for History of Mathematics (ISHM) during 18<sup>th</sup> November – 20<sup>th</sup> November 2016.

#### Workshop Attended:

- Attended a **Five Days Workshop on “Mathematica, MATLAB and Data Analytical Methods”** organized by Department of Mathematics, NIT Manipur during 26<sup>th</sup> December – 30<sup>th</sup> December 2017.
- Attended a **Five Days Workshop on “ Foundation of Fuzzy Set and Fuzzy Logic With Application”** organized by Department of Electrical Engineering, NIT Manipur from 21<sup>st</sup> November - 25<sup>th</sup> November 2017.
- Attended a **Two Day National Workshop on Recent Trends in Operation Research** organized by the Department of Mathematics, D.M College of Science, Imphal during 19<sup>th</sup> August – 20<sup>th</sup> August 2017
- Attended a **North-East Summer Workshop in Analysis and Probability** organized by the Department of Mathematics, Manipur University and funded by Indian Statistical Institute during 6<sup>th</sup> July – 10<sup>th</sup> July 2017.
- Attended a **National Level North East Workshop on Cryptology** organized by C. I College, Bishnupur under the aegis of Cryptology Research Society of India (CRSI) during 22<sup>nd</sup> January – 24<sup>th</sup> January 2015.

#### Faculty Induction Program (FIP) Attended:

- Successfully completed **UGC sponsored – Faculty Induction Program (FIP)** organized by **Jawaharlal Nehru University, New Delhi** during 22<sup>nd</sup> November 2021 – 18<sup>th</sup> December 2021.