

Name : **Dr. SG. KARPAGAVALLI**

Designation : Assistant Professor
Department of Maths

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Area of Specialization : Linear Algebra, Abstract Algebra

Area of Research : Fuzzy Lattice Theory, Non-Linear Mathematical
Modelling

Teaching Experience : 12 Years

S.No	Name of the Institution	Period of Service
1.	Shanmuganathan Engineering College, Arasampatti, Pudukkottai Dist.	16.06.2005-19.06.2006 (1 year)
2.	Dr.Umayal Ramanathan College for Women, Karaikudi.	01.08.2008-28.02.2015 (6 years 7 Months)
3.	Vels Institute of Science, Technology & Advanced Studies, Chennai	01.07.2019-13.10.2020

		(1 year 3 months)
4.	Vidhyaa Giri College of Arts & Science, Puduvayal	29.06.2016-30.11.2017, 01.06.2018-31.05.2019 & 04.11.2020-till date(3 years)

Publications

1. SG.Karpagavalli, "An internal construction for congruence relation in lattices", IOSR Journal of Mathematics, vol 10, issue 3, ver VI, 2014.
2. SG.Karpagavalli, "A representation for minimum congruence in lattices", International Research Journal of Pure Algebra, 4(10), 2014, 614-616.
3. SG.Karpagavalli, "A completion for distributive lattices", IOSR Journal of Mathematics, vol 11, issue 2, ver II, 2015, 73-75.
4. SG.Karpagavalli, "A congruence relation in partially ordered sets", Thai Journal of Mathematics, vol 13, issue 2, 2015, 399-403.
5. SG.Karpagavalli, "Reduction of quasi lattices to lattices", International journal of Mathematics Trends and Technology, Vol-65, Issue-4, Apr 2019.
6. Dr. SG. Karpagavalli, "Fuzzy modular l-ideals in commutative l-m group", Journal of Critical Reviews ISSN-2394-5125 Volume 7, Issue 7, April 2020.
7. Dr. SG. Karpagavalli, "Normal filter and prime filter in generalized almost distributive fuzzy lattices", Journal of Critical Reviews ISSN-2394-5125 Volume 7, Issue 7, April 2020.
8. Dr. SG. Karpagavalli, "Pseudo-complementation on almost distributive fuzzy lattice", Journal of Critical Reviews ISSN-2394-5125 Volume 7, Issue 7, April 2020.
9. Dr. SG. Karpagavalli, "Dual of B-almost distributive fuzzy lattice", Journal of Critical Reviews ISSN-2394-5125 Volume 7, Issue 11, June 2020.
10. Dr. SG. Karpagavalli, "Fuzzy Modular Lattice Ordered M Group", AIP Conference Proceedings 2282, 020001, June 2020.

11.Dr. S.G. Karpagavalli, "Normal ideals in generalized almost distributive fuzzy lattices",AIP Conference Proceedings 2282, 020003, June 2020.