

Vasu Babu Rajulapati

List of Publications:

1. R.Vasu Babu, N.Rafi, R.V.N.Srinivasa Rao, etal., “D-Divisibility of Almost Distributive Lattices”. Published in “Asia Pacific journal of Mathematics”,doi:10.28924/APJM/11-40 10, Issue40, March-2024.
2. R.Vasu Babu, N.Rafi, R.V.N.Srinivasa Rao,etal., “ON FUZZY CLOSURE FILTERS OF DECOMPOSABLE STONE ALMOST DISTRIBUTIVE LATTICES”. Published in “Asia Pacific journal of Mathematics”, doi:10.28924/APJM/10-40 10, Issue40, November-2023.
3. R.Vasu Babu, M.Venkateswarlu, SK.Shaw, “Dufour and heat source effects on radiative MHD slip flow of a viscousfluid in a parallel porous plate channel in presence of chemical reaction” Published on Journal of the Korean Society for Industrial and Applied Mathematics, Volume : 21 , Issue: 4, Pages: 245-275 . Publisher Korean Society for Industrial and Applied Mathematics in 2017.
4. R.Vasu Babu, Ch. Prabakar Rao “On Prime and Maximal Subalgebras” Published on International Journal of Modern Trends in Engineering and Research(IJMTER,ISSN(online):2349-9745;Volume 04,Issue12,December-2017.
5. R.Vasu Babu, B.Venkatewarulu, “Initial and final segments in ADL’s”, Published in South- East Asian Bulletin of Mathematics. Vol.41 (2017)127-131, March, 2017.
6. R.Vasu Babu, B.Venkatewarulu, Ch.Sntisunder Raju “Irreducible elements in ADL’s”, Published in Palestine Journal of Mathematics, Palestine Polytechnic University-PPU 2016 Vol. 5(1), (2016) 152-156(5 pages).
7. R.Vasu Babu, Y.Phani, “Stereographic-l-axial Exponential and Stereographic Circular Exponential Distributions” Published in International Journal of Scientific and Innovative Mathematical Research (IJSIMR) Vol.3,Special Issue -5, PP 108-114, ISSN 2347- 307X (Print), November 2015.
8. R.Vasu Babu, T.S.R.Murthy,R.Durgarao “Maximal Ideals and Filters of an ADLs”, Published in International Journal of Scientific and Innovative Mathematical Research (IJSIMR, Vol.3, Special Issue 2, PP 704-709, ISSN 2347- 307X (Print), July 2015.
9. R.Vasu Babu, B.Venkatewarulu, Ch.Sntisunder Raju “The $\mathbb{C}(X, D)$, a characterization of a Stone almost distributive lattice”, Published on Asian-European Journal of Mathematics Vol. 8, No. 3 (2015) 1550055(7 pages), 11th August 2015. World Scientific Publishing Company, DOI: 10.1142/S1793557115500552.
10. R.Vasu Babu, B.Venkatewarulu “Associate elements in ADL’s”, Published in Asian-European Journal of Mathematics Vol. 7, No.4 (2014)1450066(7pages),World Scientific Publishing Company, DOI: 10.1142/S17 9355 7114500 661. Published on 11th December 2014.
11. R.Vasu Babu, B.Venkatewarulu “Irreducible Ideals in Rings” Published in Italian Journal of Pure and Applied Mathematics –N.32- 2014 (461- 466) .

12. R.Vasu Babu, B.Venkatewarulu, Ch.Sntisunder Raju “The Stonity of a pseudo-complemented ADL” Asian-European Journal of Mathematics, Vol. 7, No. 3 (2014) 1450045(7 pages), published on 27th August 2014 World Scientific Publishing Company, DOI:10.1142/S1793557114500454.
13. R.Vasu Babu, B.Venkatewarulu, Ch.Sntisunder Raju” Weak pseudo-complemented on ADL’s” Published in Archivum Mathematicum (BRNO) Tomus 50 (2014) 151-159. DOI: 10.5817/AM2014-3-151. July, 2014
14. R.Vasu Babu, B.Venkatewarulu “Morphisms on closure spaces and moore spaces, Published on International Journal of Pure and Applied Mathematics Vol. 91, No. 2 (2014) 197-207. ISSN: 1311-8080, 11th March 2014.
15. R.Vasu Babu, T.S.R.Murthy, Varying bulk-service queueing model with phase wise service, Bull. Cal. Math. Soc., Vol. 104, No. 2 (2012) 175-182, published on October 08, 2012.

Attended/Presentations in International & National Conferences

1. Presented a paper in Three –Day International Online Conference on “Advancing Innovations Through Mathematics: A Journey Across Disciplines (AITM-2025)” entitled as “ A Review on Coherent Almost Distributive Lattices” organized by the Department of Mathematics in association with Institution’s Innovation Council (IIC), Bapatla Engineering College, held from 08-09-2025 to 10-09-2025.
2. Presented a paper in Second International Conference on Recent Advances In Applied Sciences And Engineering (ICRAAE) entitled as” -Irreducible Elements of Almost Distributive Lattices” in ICRAAE-2024 organized by Department of Basic Science held on 06-07 December 2024 at SVECW(A), Bhimavaram.
3. Presented a paper in International Conference on Recent Advances In Applied Sciences And Engineering (ICRAAE) entitled as ”D-divisibility of Almost Distributive Lattices” ICRAAE organized by Department of Basic Science held on 22nd-23rd December 2023 at SVECW(A), Bhimavaram.
4. Presented a paper in International Conference “ International Conference ON APPLIED SCIENCE AND TECHNOLOGY (ICAST -2018)”. as per programme of ICAST -2019. Title of the talk / Paper “On Prime Spectrum Of An ADL’s”. Organized by Department of Mathematics, at Sri Sagi Rama Krishna Raju Engineering College(A), Bhimavaram. Held on 27th & 28 th March 2019.
5. International Conference on “ International Conference ON APPLIED SCIENCE AND TECHNOLOGY (ICAST -2018)”. Presented a paper in a technical session as per programme of ICAST -2018. Title of the talk / Paper “On Lattice of Ideals In Almost Distributive Lattices”. Organized by Department of Mathematics, at Sri Sagi Rama Krishna Raju Engineering College(A), Bhimavaram. Held on 24th and 25 th January 2018.
6. International Conference on “ International Conference On Algebra and applications-2015 (ICAA -2015)”. Presented a paper in a technical session as per programme of ICAA -2015. Title of the talk / Paper Maximal ideals and filters of an ADL’s.

Department of Mathematics, Sri Venkateswara University Tirupathi . Held during 13th -15th August 2015.

7. Presented a paper on “National Conference On Advances In Mathematical Sciences-2015 (AIMS -2015)”. in a technical session as per programme of AIMS -2015. Title of the talk / Paper “Weak-pseudo complementation’s on ADL”. Organized by Department of Mathematics & Statistics, K.B.N. College, Vijayawada. Held on 28th November 2015.
8. Two-Day National Workshop on “Recent Trends in Algebra and Its Applications” Presented a paper in a technical session as per programme of RTIAA -2015. Title of the talk / Paper “Irreducible elements in ADL’s”.
9. Organized by Department of Mathematics & Statistics, K.B.N. College, Vijayawada. Held during February 19 – 20, 2015.
10. National Seminar on “Recent Developments in Mathematics and Its Applications” Presented a paper in a technical session as per programme of ICAA -2014. Title of the talk / Paper Associate elements in ADL’s. Department of Mathematics, Acharya Nagarjuna University, Guntur. Held during 2nd & 3rd December 2014.
11. International Conference on “ International Conference On Algebra and applications-2014 (ICAA -2014)”. Presented a paper in a technical session as per programme of ICAA -2014. Title of the talk / Paper Initial and final segments in ADL’s. Department of Mathematics, Andhra University Visakhapatnam . Held during 29th April – 1st May 2014.
12. International Conference on “ International Conference On Recent Advances In Mathematical Applications (ICRAMSA -2011)”. Presented a paper in a technical session as per programme of ICRAMSA -2011. Title of the talk / Paper Varying Bulk Service Queueing Model with phase wise service, Calcutta Mathematical Society, Kolkata. Held during 9-11th December 2011.