

Faculty Profile



Name: Dr. DORADLA PANDU RANGA VENKATA SUBBA RAO

Designation: Associate Professor

Teaching Areas: Algebra, Analysis, Discrete Mathematics, Lattice theory, Differential Equations, Linear Algebra, Operations Research, Probability and Statistics, Complex Variables.

Research Interests: Lattice Theory, Algebra, Semirings

Education:

- Ph.D. Andhra University, Visakhapatnam, 2006.
- M.Phil. Nagarjuna University, Nagarjuna nagar, 1995.
- M.Sc. Nagarjuna University, Nagarjuna nagar.
- B.Sc. Nagarjuna University, Nagarjuna nagar.

Research / Selected Publications:

1. DPRV Subba Rao, On Brouwer Heyting Lattices, Novisad Journal of Mathematics. <https://doi.org/10.30755/NSJOM.11705>.
2. DPRV Subba Rao, On Subdirect Product of Gamma Semirings, 106,(4), 2014, pp. 263- 272.
3. DPRV Subba Rao, Rajendra Pant, Fixed point theorems in Boolean Vector spaces, NonLinear Analysis, Vol. 74, No.16, November 2011, pp. 5383–5387.
4. DPRV Subba Rao and Rajesh G, On Inner Product over a Lattice Vector Space, J. Int. Math. Virtual Inst., Vol. 11(1)(2021), 69-84. ISSN (p) 2303-4866, ISSN (o) 2303-4947 DOI: 10.7251/JIMVI2101069Y
5. DPRV Subba Rao, Ideals in half Gamma-Rings, Southeast Asian Bulletin of Mathematics, Vol.31(2007), pp.739-74.
6. DPRV Subba Rao, A Characterization of Jacobson Radical of a Gamma–Semiring, South East Asian Bulletin of Mathematics, Vol. 31(2007), PP. 555-569 MR2327152.
7. Rajesh G and DPRV Subba Rao, A PUBLIC KEY CRYPTOSYSTEM BASED ON LATTICE MATRICES, J. Math. Comput. Sci. 10 (2020), No. 6, 2408-2421. ISSN Number: 1927-5307. <http://scik.org/index.php/jmcs>.
8. Rajesh Gudepu and DPRV Subba Rao, NOTE ON MEET-DISTRIBUTIVE LATTICE MATRICES, Bull. Int. Math. Virtual Inst., Vol. 11(1)(2021), 25-37. ISSN: 2303-4955, http://www.imvibl.org/buletin/bulletin_imvi11_1_2021/bulletin_imvi_11120212538.pdf.

Journals/Conference/Books/Chapters/Patents/Funded Projects

Books Published: Authored a Book titled as “Contributions to the Theory of Gamma – Semirings” Published by VDM - Verlag, USA, 2009. ISBN-10: 3639017625, ISBN-13: 978-3639017625.

Research Guidance: Guided one research scholar (Rajesh Gudepu) for Ph.D. degree in the area of Lattice Matrices and its Applications. (**Date of award:** 22nd March, 2022).