

U.Bindu Madhavi

Academic consultant (Applied Mathematics)

KRU DR. M.R.A.R PG Centre, Nuzvid

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Teaching Experience

- Academic consultant, Krishna University, DR. M.R.A.R PG Centre, Nuzvid (**2011 to till date**)
- Guest Faculty in Acharya Nagarjuna University, DR. M.R.A.R PG Centre, Nuzvid (**2009-2011**)

Education Qualifications

- Completed **PhD** in Mathematics from Acharya Nagarjuna University in November 2016 with Thesis title "**STUDY OF CUBIC FUZZY IDEAL THEORY ASSOCIATED WITH BCK-ALGEBRA AND HYPER BCK-ALGEBRA**"
- Completed **M.Phil(Applied Mathematics)** from Acharya Nagarjuna University with Grade A in 2012 (Dissertation Title: **A STUDY ON INTUITIONISTIC FUZZY H-IDEALS IN BCK-ALGEBRA**)
- Completed **MSc (Applied Mathematics)** from Acharya Nagarjuna University, P.G Centre, Nuzvid in 2008 with 70%
- Completed **BA(Mathematics, Statistics & Economics)** from Acharya Nagarjuna University in 2006 with 77.2%

Research Interests

- Fuzzy sets, Algebra

National seminars participated

- U.G.C sponsored two-day national seminar on "Present Trends in Mathematics and its Applications" organized by S.G.S college, Jaggayyapet on 11&12 Nov 2010.
- U.G.C Sponsored national seminar on "Recent Advances in Pure and Applied Mathematics" organized by P.B Siddhartha college of Arts and Science on 9 &10 Sep, 2015.
- National seminar on "Algebra& Analysis-Applications" organized by P.B Siddhartha college of Arts and Science on Feb 28 &29, 2012.

Workshops Attended

- Attended one day workshop on "Real Analysis, Algebra& vector calculus" on 30th January 2012 organized by S.D.M Siddhartha Mahila Kalasala
- AICTE sponsored Two-day workshop on "Recent Trends in Fluid Mechanics and Numerical Techniques" 19th& 20th January 2014 organized by Sri Vasavi Institute of Engineering & technology, Nandamuru, Krishna District.
- National Workshop on "Essence of Mathematics and Engineering Applications" on 26th&27th march 2015 organized by K.L University, Guntur dist.

- One day national workshop on “Optimization Techniques with MATLAB” on 31st Aug 2015 organized by V.R. Siddhartha Engineering College
- Workshop on “Mathematica and its computations in the present Era” on 23rd December 2013 organized by Krishna university Dr. MRAR PG Centre, Nuzvid.
- Attended one day workshop on “Intellectual Property and Innovation Management in Knowledge Era” on 5th February 2013 organized by NRDC and Krishna University at Krishna university Dr. MRAR PG Centre, Nuzvid.

Presented paper in National seminars

- U.G.C sponsored two-day national seminar on “Modern trends in Mathematical and Physical Sciences” 20th&21st January, 2012 organized by Dharma Apparao College, Nuzvid. paper title: **“Foldness of Intuitionistic Fuzzy H-ideals in BCK-algebras”**
- U.G.C&APSCHE sponsored national seminar on “Emerging Trends in Mathematics and its Applications” 6th&7th march, 2014 Organized by Acharya Nagarjuna University Ongole Campus, Ongole. Paper title: **“Interval-valued Intuitionistic Fuzzy Positive Implicative Extension Ideals in BCK-Algebras”**.
- U.G.C sponsored two-day national seminar on “Recent Developments in Mathematics And its Applications” 22nd&23rd December-2014 organized by Acharya Nagarjuna University, Nagarjuna Nagar, Guntur. Paper title: **“Cubic n-fold H-ideals in BCK-Algebras”**
- U.G.C sponsored one-day “National Conference on Advances in Mathematical Sciences” November 2015 organized by K.B.N college , Vijayawada . Paper title: **“Cubic H-ideals in BCK-algebras”**.
- XXIV Congress of Andhra Pradesh Society for Mathematical Sciences “ National Conference on Recent Developments in Mathematical Sciences and their Applications to Science and Technology” 11-13 December 2015 organized by Vignana Bharathi Institute of Technology, Ghatkesar, Hyderabad. Paper title: **“On Cubic Positive implicative Hyper BCK-Ideals of Hyper BCK-Algebras”**

Research publications

- B. Satyanarayana, U. Bindu Madhavi and R. Durga Prasad, **“On Intuitionistic fuzzy H-ideals in BCK-Algebras”**, International Journal of Algebra, 4(15)(2010), 743-749
- B. Satyanarayana, U. Bindu Madhavi and R. Durga Prasad, **“On foldness of Intuitionistic fuzzy H-ideals in BCK-algebras”**, International Mathematical forum, 5(45) (2010), 2205-2211.
- B. Satyanarayana, and U. Bindu Madhavi, **On Cubic H-ideals in BCK-algebras**, Journal of Progressive research in Mathematics, 4(4)(2015), 408-413.
- B. Satyanarayana, and U. Bindu Madhavi, **On Cubic Hyper BCK-ideals of Hyper BCK- Algebras**, Journal of Scientific research in physical and Mathematical Sciences, 2(9) 2015, 1-8.
- B. Satyanarayana, and U. Bindu Madhavi, **On Cubic fuzzy positive implicative extension Ideals in BCK-algebras**, British Journal of Mathematics and Computer Science, 12(4) 2016 1-9.

- B. Satyanarayana, A.A.A.Agboolal, U. Bindu Madhavi, **On Cubic Implicative Hyper BCK-ideals of Hyper BCK- Algebras**, IOSR journal of Mathematics, 11(6) 2015, 32-38.
- B. Satyanarayana, Esraa Mohammed Wannas, U. Bindu Madhavi, **Cubic Fuzzy H-ideals in BF- Algebras**, IOSR journal of Mathematics, 12(5) 2016, 92-96.
- B. Satyanarayana, A.A.A.Agboolal, U. Bindu Madhavi, **Cubic Dual ideals in BCK-Algebras**, International Journal of Mathematical Research, 5(2) 2016, 103-110.
- B. Satyanarayana, KVP.Vineela, R.Durga Prasad and U. Bindu Madhavi, **Interval valued Intuitionistic fuzzy positive implicative Hyper BCK-ideals of Hyper BCK- Algebras** , Advances in Applied Science Research, 7(6) 2016, 32-40.