Bio-Data

Dr Jagadeesha B
Professor & HOD
Department of Mathematics

Overview

Teacher with 24 years of Teaching experience,12 years of Research experience. Research specialization is Algebra, particularly Nearring Theory, Fuzzy algebraic structures, Algebraic graph theory,   Rough algebraic structures, Soft set theory and other modern theories.

Personal Information

Qualification

B.Sc., M.Sc., Ph.D

Work Experience   *Research Experience*

24 Years   11 years

Email

jagadeeshab@sjec.ac.in

Educational Details

DEGREE

B.Sc.	1997
Mangalore University	

PG DEGREE

M.Sc.	1999
Mangalore University	

DOCTORAL DEGREE

Ph.D.
Manipal University   2016

Experience

TEACHING EXPERIENCE

i) 10/1999 to 06/2002

    Department: Mathematics

    Institution: Coorg Institute of Technology, Ponnampet

    Designation: Lecturer

ii) 07/2002 till Date

    Department: Mathematics

    Institution: St Joseph Engineering College

    Designation: Lecturer/ Senior Lecturer/Asst Professor/Associate Professor & HOD

RESEARCH EXPERIENCE

From 2011 till date

SPECIALIZATION

SPECIALIZATION PH.D

Algebra- Nearring Theory, Fuzzy algebraic structures

SPECIALIZATION PG

Numerical Analysis

SUBJECTS TEACHING

SUBJECTS TEACHING AT UNDER GRADUATE LEVEL

Engineering Mathematics-1, Engineering. Mathematics -2, Engineering Mathematics -3, Engineering Mathematics -4

Calculus and Linear algebra, Advanced Calculus and Numerical Methods, Discrete Mathematical Structures, Additional Mathematics-1, Additional Mathematics-2

SUBJECTS TEACHING AT POST GRADUATE LEVEL

Discrete Mathematical Structures and Statistics, Mathematical Foundation for computer Application.

Journal Publications

INTERNATIONAL JOURNALS

(i)   Jagadeesha, B. S. Kedukodi, S. P. Kuncham, " Interval Valued L-fuzzy Ideals based on t-norms and t-conorms", Journal of Intelligent and Fuzzy System, (2015) 28 (6) 2631-2641. (IOS Press, Netherlands). (2015 Impact factor-1.812)

(ii) S. P. Kuncham, B. S. Kedukodi, B. Jagadeesha, "Interval valued L-fuzzy cosets and isomorphism theorems" , Afrika Matematika , (2016) 27, 393-408. (Springer-Verlag. USA.)   Indexed by SCOPUS

(iii) B. Jagadeesha , S. P. Kuncham, B. S. Kedukodi "On Implications on a Lattice" , Fuzzy Information Engg. (Elsvier Publication) . (2016) 8(4) 411-425.

(iv) B. S. Kedukodi, B. Jagadeesha, S. P. Kuncham, S. Juglal, **"**Different prime graphs of a nearring with respect to an ideal" book chapter in the book **N**earrings, Nearfields and related topics published by (World Scientific (Singapore)) (Feb-2017) 185-203.

(v)   B. S. Kedukodi, S. P. Kuncham, B. Jagadeesha "Interval valued L-fuzzy prime ideals, triangular norms and partially ordered groups" (Springer-Verlag Germany.) Soft Comput (2019) 23:907-920. (2019 Impact factor-3.012)

(vi) Sandhya Dass , Ramananda H S , Jagadeesha B , Rajesh Kumar P C , Reni K. Cherian "Effectiveness f Collaborative Learning o Among Gen Z Engineering Students". Journal of Engineering Education Transformations, Vol. 34, No. 3, 2021, 70-78.

(vii) Mereena Joseph and Jagadeesha B "Set valued Homeomorphisms using ideal of a Ring and Rough Approximations" International Journal of Applied Engineering research Volume 17 , 2022, 148-151

(viii) Jagadeesha B, K.S Prasad, B.S. Kedukodi, Approximation in a Nearring Using an Equivalence Relation with Thresholds, Journal of Progress in Engineering and Physical Scince, 1(2), 2022, 1-5.

(ix)   Jagadeesha B, B.S. Kedukodi and S.P.Kuncham "EQUIPRIME FUZZY GRAPH OF A NEARRING WITH RESPECT TO A LEVEL IDEAL", Mathematiki Vesnik, May, 2023 DOI: 10.57016/MV-ZUXV3844 (Impact factor 0.429).

(x)   Jagadeesha B, Kedukodi Babushri Srinivas, Kuncham Syam Prasad "C-prime Fuzzy Graph of a Nearring with respect to a Level Ideal" Accepted for publication in Palestine Journal of Mathematics.

PAPERS PRESENTED IN NATIONAL CONFERENCE

1. National Confernce on "Present trends in Algebra and its Applications" at J.M.J
       College for Women-Tenali
.   Date: 11th and 12th July2014
        Title of Paper: Interval Valued c-prime Fuzzy Ideals of Nearrings.

2. National conference on "Current trends in Scientific Research for Engineering
        Applications" at St Joseph Engg. College,
       Date: 17th and 18th July2014
       Title of Paper: Interval Valued 3-prime Fuzzy Ideals of Nearrings.

3.. National conference on "Engineering Applications of Mathematics " at MIT
        Academy of Engineering, Pune
       Date: 5th and 6th January 2014
       Title of Paper: Interval Valued prime Fuzzy Ideals of Nearrings.

4. National conference on "Applied Mathematics , Numerical Analysis, Algebra and
            Computational Mathematics " at Haveri
       Date: 30th   and 31th January 2015
       Title of Paper: Interval Valued Fuzzy Ideals of Nearrings.

5. National conference on "Computer Applications Based on Modern Algebra"
         held at MIT Manipal
          Date: 1-4 JULY 2017.
       Title of Paper: Interval Valued L-fuzzy Ideals of a Ring using t-norms and t-
conorms

6. National conference on "Graph Theory and Discrete Mathematics"
        held at Manglore University
        Date: 5-6 Feb 2018.
       Title of Paper: C-prime Ideal Based Graph of Nearring

PAPERS PRESENTED IN INTERNATIONAL CONFERENCE

1. International Conference " Interdisciplinary Mathematial, Stastistical and
     Computational Techniques " at NITK , Suratkal
   Date: 18 to 20th December 2014
   Title of Paper: Rough set approximations using Fuzzy Ideals.

2. International Conference " Nearrings, Nearfields and Related Topics" at MIT, Manipal

Date: 05 to 12th July2015
Title of Paper: Interval Valued L-fuzzy submodules Baesd on triangular Norms.

3. International Conference on Mathematics at University of Kerala
Date: 26-28 November, 2015
Title of Paper: Nearring Approximations using fuzzy ideal with thresholds.

4. International Conference on Artificial Intelligence and Soft Computing,Thailand,

   Title: "Automorphisms t-nroms t- conorms on a lattice "

   Date: 29 Dec.2015.

5. International Conference on Discrete Mathematics-2016 at SIT, Tumkur

   Date: 08 to 10 June 2016

   Title of Paper: Prime Graph of a Ring

6. International Conference on Mathematics and Computer Science at Nirmala College for Women, Coibatore –Tamilnadu

   Date: 15 to 17 December 2016

   Title of Paper: Ideal Based Graph of a Ring

7. International Conference on "Discrete Mathematics and its Applications to Network Science" was held at Birla Institute of Technology and Science, K. K. Birla Goa Campus

   Date: 7 to 10 of July 2018.

   Title of Paper: Approximations Based on Equivalence Relation

8. International Conference on "Recent Trends in Mathematics" was held RL Science Institute Belagavi
   Date: 27 to 29 of December 2018.

   Title of Paper: Rough set Approximations using an Equivalence Relation with thresholds

9. 4th Alterman conference-cum-Workshop on Computational Geometric Algebra and Workshop on Kahler Calculus was held in MIT, Manipal
   Date: 08th to 13th July 2019
   Title of Paper: Rough approximation in nearrings

10. International Conference on Mathematical Computer Engineering at VIT Chennai
    Date:10 to 12 March 2020
    Title of Paper: Automorphisms on a lattice

11. International Conference on Emerging Trends in Science and Engineering.at Shri Madwa Vadiraja Institute of Technology and Mangement
    Date:10 to 11 July 2020
    Title of Paper: Set Valued Homeomorphisms using Ideal of a ring and rough approximations

12. International Conference on Present Scenario of Mathematical Sciences at Dharavad University
    Date:12 to 13 September 2020
    Title of Paper: Triangular norms on a lattice

13. International Conference on Advances in Machanics, Manipal University Jaipur
    Date:18 to 20 December 2020
    Title of Paper: Roughset Approximations in Nearrings

14. International Conference on Mathematical Sciences and Computational Intelligence
    Date:21 to 22 December 2020
    Title of Paper: Roughset Approximations in Nearrings sing Fuzzy Ideals

15. 3rd International Conference on Mathematical Techniques and Applications
    Date:23 to 25 March 2022
    Title of Paper: L-fuzzy submodules using t-norms.

16. International Conference on Recent Tends in Applied Sciences by SIT, Valachil
    Date:03 to 04 August 2022
    Title of Paper: Approximation in ring

17. International Conference on Algebra, Analysis and Applications by MIT Manipal
    Date:06 to 08 January 2023
    Title of Paper: C-prime fuzzy graph of Nearring

18. 2rd International Conference on Applied Mathematics by DIT Deharadun
    Date:12 to 14 October 2023
    Title of Paper: Roufg set approximation using fuzzy ideal.

19. International Conference on Number Theory and Graph Theory, MIT Maniapal
    Date:18 to 20 January 2023
    Title of Paper Line Graph of Prime graph of Nearring

20. International Conference on Recent Tends in Applied Sciences by SIT, Valachil
    Date:26 to 27 Septmber 2023
    Title of Paper: Line Graph of Graph with respect to an ideal

21. International Conference on Discrete Mathematics and Combinatorics, MIT Bangalore
    Date:20-22 December 2023
    Title of Paper: Line Graph of a prime Graph

22. International Conference on Emerging Trends in Computational Mathematics and data Science, SKAASC, Coibatore
    Date:10 to 11 January 2024
    Title of Paper: Line Graph of a c- prime Graph

WORKSHOP ATTEND

Attended 20 workshops of 3 to 5 days each.

WORKSHOPS/SEMINARS CONDUCTED AS RESOURCE PERSONS

Conducted 5 workshops/seminars as Resource Person.

NUMBER OF ACADEMIC INTERNSHIPS GUIDED (PG)

8

NUMBER OF ACADEMIC PROJECTS GUIDED (PG)

20

AWARDS AND ACHIEVEMENTS

1. Received First Rank with Gold medal in M.Sc Examinations in the year 1999 from Manglore University

2. Research Paper "Automorphisms t-nroms t-conorms on a lattice " presented in the International Conference on Artificial Intelligence and Soft Computing,Thailand, 29 Dec.2015 received ."Excellent Paper Award"

3. Chaired sessions in international conferences

4. Reviewer for International Journals

5. . Recognised Research Guide at VTU.

 6. Completed International Engineering Educators Certification Program from Indo Universal collaboration for Engineering Education.

7. Completed Engineering Education Research certification from Indo Universal Collaboration for Engineering Education.

Dr Jagadeesha B

HOD-Department of Mathematics