

Dr. B. Surender Reddy M.Sc., M.Phil., Ph.D.

Professor of Mathematics

Department of Mathematics

Osmania University, Hyderabad – 500007

Telangana State, India.

Mobile no. 9000070756

Email ID: bsrmathou@osmania.ac.in

Educational Qualifications:

- 1993-97 : **Ph.D. Mathematics**, Osmania University (**Awarded October 1997**).
Title of Ph.D. thesis : Multiparameter Spectral Theory of Weakly Coupled Operator System in Hilbert Spaces
- 1990-93 : **M.Phil., Mathematics**, Osmania University (**Awarded March 1993**).
Title of M.Phil., Dissertation : Interval Methods for non-linear Operator Equations
- 1988-90 : **M.Sc., Mathematics**, *University College of Science*, Osmania University, Hyderabad.
- 1987-88 : **B.Ed., Mathematics**, *Government College of Education*, Warangal, KU.
- 1984-87 : **B.A., (Mathematics, Economics, Statistics)**, *Andhra Vidyalaya College of Arts, Commerce and Science*, Domalguda, Hyderabad.
- 1982-84 : **Intermediate (Mathematics, Physics, Chemistry)**, Board of Intermediate Education, *Govenment Junior College, Bhongiri, Nalgonda (Dist)*.
- 1981-82 : **Secondary School Certificate(S.S.C)**, Board of Secondary Education, *Z.P.H.S., Valigonda, Nalgonda (Dist)*.

Service Details:

- 29-10-2013 to till date : **Professor**, *Department of Mathematics, University College of Science, Osmania University*.
- 29-10-2010 to 28-10-2013 : **Assocaite Professor**, *Department of Mathematics, Univesity College of Science, Saifabad, Osmania University*.
- 12-06-2007 to 28-10-2010 : **Assistant Professor**, *Department of Mathematics, Univesity College of Science, Saifabad, Osmania University*.
- 23-08-2000 to 11-06-2007 : **Lecturer in Mathematics**, *Government Degree College, Khairatabad, Hyderabad*.
- 29-10-1998 to 22-08-2000 : **Lecturer in Mathematics**, *Government Degree College, Huzurabad, Karimnagar (Dist)*.
- 01-09-1993 to 28-10-1998 : **Lecturer in Mathematics**, *Andhra Vidyalaya College of Arts, Commerce and Science, Domalguda, Hyderabad*.

01-09-1990 to 31-08-1993 : **Lecturer in Mathematics, Human Resource Development Degree College, Narayanguda, Hyderabad.**

Administrative positions held:

- 2019-21 : **Head**, Department of Mathematics, Osmania University
- 2020-22 : **Chairman**, BOS in Mathematics, Osmania University
- 2022-24 : **Chairman**, BOS in Computer Science, Osmania University
- 2021-23 : **Chairman**, BOS in Computer Science, Palamuru University.
- 2023-25 : **Chairman**, BOS in Computer Science, Palamuru University
- 2018-21 : **Coordinator**, M.Sc (Computer Science) Course, University College of Science, Osmania University
- 2008-12 : **Coordinator**, M.Sc (Applied Mathematics) Course, University College of Science, Saifabad, Osmania University
- 2008-11 : **Incharge Head**, Department of Mathematics, University College of Science, Saifabad, Osmania University
- 2002-07 : **Incharge Head**, Department of Mathematics, Government Degree College, Khairatabad, Hyderabad
- 2004-07 : **Coordinator**, M.Sc (Mathematics) Course, Government Degree College, Khairatabad, Hyderabad

Academic Activities:

- 2009-11 : **Member**, Board of Studies in Mathematics(PG Course), Osmania University
- 2011-13 : **Member**, Board of Studies in Mathematics(UG Course), Osmania University
- 2009-11 : **Member**, Departmental committee, Department of Mathematics, Osmania University.
- 2013-15 : **Member**, Departmental committee, Department of Mathematics, Osmania University.
- 2018-24 : **Member**, Departmental committee, Department of Mathematics, Osmania University.
- 2018-22 : **Member**, Departmental Research committee, Department of Mathematics, Osmania University.
- 2022-24 : **Member**, Departmental Research committee, Department of Mathematics, Osmania University.
- 2023-24 : **Member**, Committee Constituted by Telangana State Council of Higher Education

(TSCHE) proposed to introduce M.Sc (Data Science) at PG level in the State of Telangana from the academic year 2023-24.

2023-24 : **Member**, Committee Constituted by Telangana State Council of Higher Education (TSCHE) proposed to introduce B.Sc Honors in Computer Science at UG level in the State of Telangana from the academic year 2023-24.

2022-24 : **Member**, Academic Council of Nizam College, Osmania University for the Academic year 2022-23 and 2023-24.

Participation in corporate life in the University:

1. **Member**, Finance Committee, UCS, Saifabad, OU.
2. **Member**, Energy Audit Committee, UCS, Saifabad, OU.
3. **Member**, Academic Advisory Committee, UCS, Saifabad, OU.
4. **Member**, Student Welfare Committee, UCS, Saifabad, OU.
5. **Member**, Admissions Committee, UCS, Saifabad, OU.
6. **Member**, Continuous Evaluation Committee for B.C.A Course, UCS, Saifabad, OU.
7. **Member**, Science Fair Committee, UCS, Saifabad, OU.
8. **Member**, Committee on the Viability of Self-finance Courses, UCS, Saifabad, OU.
9. **Member**, Library Committee, UCS, Saifabad, OU.
10. **Member**, Hostel Coordination Committee, UCS, Saifabad, OU.
11. **Editorial Board member**, Osmania University 94th Annual Report 2012-13
12. **Editorial Board member**, Osmania University 95th Annual Report 2013-14

Research Activities:

Ph.D's awarded	: Three
Ph.D's submitted	: One
No. of students working for Ph.D	: Seven
No. of publications	: Published - 72
Area of Research	: Functional Analysis and Operator Theory, Mathematical Analysis
Current Research Interests	: n-normed spaces, n-inner product spaces, Random n-normed spaces, Fuzzy n-normed spaces, Fuzzy anti-n-normed spaces, p-adic 2-normed spaces, Hyper normed linear spaces, Sequence spaces, Cubic Γ -n-normed linear spaces, Generalised n-normed spaces.

Research Project:

Minor Research Project : **p-adic 2-normed spaces and its applications.**

Ref No. F-MRP-3583/11 (MRP/UGC-SERO), dated 8-9-2011 for the year 2011-13.

Memberships of Professional Bodies:

1. **Member**, Indian Science Congress
2. **Member**, Indian Mathematical Society
3. **Member**, AP and TS Mathematical Society (APTSMS), Hyderabad.

Editorial Board Member of the Journals:

1. General Mathematics Notes
2. International e-Journal of Abstract and Applied Engineering Mathematics
3. Applied Science Periodical

Member ship of the Journals:

1. The Journal of the Indian Academy of Mathematics, Indore.
2. The Mathematical Education, Siwan.
3. The Applied Science Periodical, Siwan.

Reviewer of the Journals:

- (1) Applied Mathematics Letters
- (2) Iranian Journal Fuzzy Systems
- (3) General Mathematics Notes
- (4) International Journal Open problems in mathematics and computer science
- (5) International e-Journal of Abstract and Applied Engineering Mathematics
- (6) Fasciculi Mathematici
- (7) Annals of Fuzzy Mathematics and Informatics
- (8) Journal of Intelligent and Fuzzy Systems

Positions held in Service Associations:

President, Local OUTA, University College of Science, Saifabad – 2009 – 2011

Treasurer, Osmania University Teachers' Association – 2012 – 2014

Treasurer, Osmania University Teachers' Association – 2014 – 2016

General Secretary, Osmania University Teachers' Association – 2019 - 2022

General Secretary, Osmania University Teachers' Association – 2022 - 2024

List of Publications :

1. **B. Surender Reddy** and V. Dharmiah, Some Companions of Gruss inequality in n -inner product spaces, *Applied Science Periodical*, Vol. X, No. 2, 71 – 84 May (2008). (ISSN 0972 -5504)
2. **B. Surender Reddy** and N. Gopal Reddy, Multiparameter Spectral Theory for weakly coupled operator system with bounded operators on a Hilbert tensor product space, *The Journal of Indian Academy of Mathematics*, Vol. 31, No. 2 , 503 – 512 (2009). (ISSN 0970 -5120)
3. **B. Surender Reddy**, Multiparameter Spectral Theory for weakly coupled operator system with unbounded operators by using left definite condition on Hilbert tensor product space, *The Journal of Indian Academy of Mathematics*, Vol. 32, No. 1 , 15 – 32 (2010). (ISSN 0970 -5120)
4. **B. Surender Reddy** and V. Dharmiah, Spectral results for operator valued functions, *Journal of informatics and Mathematical Sciences (JIMS)*, Vol. 2, No. 1 , 7 – 22 (2010). (ISSN 0975 -5748)
5. V. Dharmiah and **B. Surender Reddy**, Some Boundary Value Problems of Mathematical Physics, *Journal of Ultra Scientist of Physical Sciences*, Vol. 22, No. 1 , 31 – 42 (2010). (ISSN 0970 -9150)
6. **B. Surender Reddy** and Hemen Dutta, On equivalence of n -norms in n -normed spaces, *The Pacific Journal of Science and Technology*, Vol. 11, No. 1, 233 – 238 (2010). (ISSN 1551 -7624)
7. **B. Surender Reddy**, The Riesz Theorem and α - n -norms in Random n -normed spaces, *International Mathematical Forum*, Vol. 5, No. 21 , 1001 – 1013 (2010). (ISSN 1312 -7594)
8. **B. Surender Reddy**, Statistical Convergence in n -normed Spaces, *International Mathematical Forum*, Vol. 5, No. 24 , 1185 – 1193 (2010). (ISSN 1312 -7594)
9. **B. Surender Reddy**, On Some Generalized Difference Sequences Spaces, *International Journal of Mathematical Analysis*, Vol. 4, No. 31 , 1519 – 1525 (2010). (ISSN 1312 -8876)
10. Hemen Dutta and **B. Surender Reddy**, Some New Type of Multiplier Sequence Spaces defined by a Modulus Function, *International Journal of Mathematical Analysis*, Vol. 4, No. 31 , 1527 – 1533 (2010). (ISSN 1312 -8876)
11. **B. Surender Reddy** and Hemen Dutta, Random n -inner product Space, *International Mathematical Forum*, Vol. 5, No. 49, 2415 – 2423 (2010). (ISSN 1312 -7594)
12. **B. Surender Reddy** and Hemen Dutta, On Some Multiplier Difference Sequence Spaces defined over a 2-normed linear space, *Transylvanian Journal of Mathematics and Mechanics*, Vol. 2, No. 1, 7 – 14 (2010). (ISSN 2067 -239X)
13. **B. Surender Reddy**, Elementary properties of n -Banach Spaces, *The Journal of Indian Academy of Mathematics*, Vol. 32, No. 2, 569 – 578 (2010). (ISSN 0970 -5120)
14. V. Dharmiah and **B. Surender Reddy**, Iterative Process for Operator Valued Functions, *The Journal of Indian Academy of Mathematics*, Vol. 32, No. 2, 635 – 651 (2010). (ISSN 0970 -5120)

15. **B. Surender Reddy**, Some properties in generalized n-inner product Spaces, *International Journal of Mathematical Analysis*, **Vol. 4, No. 45, 2229 – 2234 (2010)**. (ISSN 1312 -8876)
16. Hemen Dutta, **B. Surender Reddy** and S. S. Cheng, Strongly Summable Sequences defined over Real n-Normed Spaces, *Applied Mathematics E-Notes*, **Vol. 10, 199 – 209 (2010)**. (ISSN 1607 -2510) (Scopus)
17. **B. Surender Reddy**, Hemen Dutta and Iabal H. Jebril, On n-normed linear space valued Strongly ∇_r -Cesaro and Strongly ∇_r -lacunary summable sequences, *General Mathematics Notes*, **Vol. 1, No. 1, 1 – 7, November (2010)**. (ISSN 2219 -7184)
18. Hemen Dutta and **B. Surender Reddy**, On a new type of double sequences of fuzzy Numbers, *The Pacific Journal of Science and Technology*, **Vol. 11, No. 2 , 254 – 259 (2010)**. (ISSN 1551 -7624)
19. Hemen Dutta and **B. Surender Reddy**, On Banach Algebras of some Matrix Classes, *The Atlantic Electronic Journal of Mathematics (AEJM)*, **Vol. 4, No. 1, 49 – 55 (Winter 2010)**.
20. **B. Surender Reddy**, On Equivalence of p-adic 2-norms in p-adic linear 2-normed spaces, *International Journal of Open Problems in Computer Science and Mathematics*, **Vol. 3, No. 5, 25 – 38, December (2010)**. (ISSN 1998 -6262)
21. Iabal H. Jebril **B. Surender Reddy** and Hemen Dutta, Some contributions to the theory of Generalized Orlicz Sequece Space, *Tamsui Oxford Journal of Information and Mathematical Sciences*, **Vol. 27, No. 1, 21 – 37 February (2011)**. (ISSN 0258 -5375)
22. Hemen Dutta and **B. Surender Reddy**, A Note on Difference Sequences of Fuzzy Numbers, *The Journal of Fuzzy Mathematics*, **Vol. 19, No. 3, 619 – 624 (2011)**. (ISSN 1066 -8950)
23. **B. Surender Reddy**, D-Compact sets in Random n-normed linear space, *General Mathematics Notes*, **Vol. 3, No. 1, 1 – 13, March (2011)**. (ISSN 2219 -7184)
24. Hemen Dutta and **B. Surender Reddy**, Computation of the Kothe-Toeplitz dual of some sets of sequences of fuzzy numbers, *New Mathematics and Natural Computation*, **Vol. 7, No. 1, 63 – 70 March (2011)**. (World Scientific Publishing House) (ISSN 1793 – 7027, 1793 - 0057) (Web of Science)
25. **B. Surender Reddy**, Fuzzy anti-2-normed linear space, *Journal of Mathematics Research*, **Vol. 3, No. 2, 137 – 144, May (2011)**. (ISSN 1916-9795) (E-ISSN 1916-9809)
26. Hemen Dutta, Iqbal H. Jebril, **B. Surender Reddy** and S.Ravi Kumar, A Generalization of modular sequence spaces by Cesaro Mean of Order one, *Revista Notas de Matematica*, **Vol. 7(1), No. 299, 1 – 13, (2011)**. (ISSN 1856 – 7800)
27. **B. Surender Reddy**, Fuzzy anti-n-normed linear space, *Journal of Mathematics and Technology*, **Vol. 2, No. 1, 14 – 26, February (2011)**. (ISSN 2078-0257)
28. Hemen Dutta and **B. Surender Reddy**, On non-Standard n-norm on some sequence spaces, *International Journal of Pure and Applied Mathematics*, **Vol. 68, No. 1, 1 – 11, (2011)**. (ISSN 1311 –8080) (Scopus)
29. **B. Surender Reddy**, The Riesz Theorem in Random n-normed spaces, *International Journal of Pure and Applied Mathematics*, **Vol. 68, No. 1, 13 – 23, (2011)**. (ISSN 1311 –8080) (Scopus)

30. Hemen Dutta, Iqbal H. Jebril, **B. Surender Reddy** and Manmohan Das, Determination of the η -dual of some classical sets of n -sequences of fuzzy numbers, *Bulletin of Mathematical Analysis and Applications*, Vol. 3, No. 1, 69 – 76, (2011). (ISSN 1821 – 1291) (Web of Science)
31. **B. Surender Reddy**, Intuitionistic Fuzzy 2-Norm, *International Journal of Mathematical Analysis*, Vol. 5, No. 14, 651 – 659, (2011). (ISSN 1312 – 8876)
32. **B. Surender Reddy**, Intuitionistic Fuzzy n -Norm, *Journal of Mathematics and Technology*, Vol. 2, No. 1, 66 – 75, February (2011). (ISSN 2078-0257)
33. Hemen Dutta, **B. Surender Reddy**, Iqbal H. Jebril and Vijay Kumar, Statistical Convergence of n -sequences and n -dual of some classical sets of n -sequences, *Journal of Fundamental Sciences*, Vol. 7, No. 1, 72 – 77, (2011). (ISSN 1823 – 626X)
34. **B. Surender Reddy**, Some results on t -best approximation in fuzzy 2-normed linear spaces, *International Journal of Pure and Applied Mathematics*, Vol. 72, No. 2, 237 – 247, (2011). (ISSN 1311 – 8080) (Scopus)
35. **B. Surender Reddy**, Best simultaneous approximation in fuzzy anti-2-normed linear spaces, *International Journal of Mathematical Archive*, Vol. 2, No. 9, 1747 – 1757, September (2011). (ISSN 2229 – 5046)
36. **B. Surender Reddy**, Best simultaneous approximation in fuzzy anti- n -normed linear spaces, *International Journal of Mathematical Archive*, Vol. 2, No. 10, 1885 – 1897, October (2011). (ISSN 2229 – 5046)
37. **B. Surender Reddy**, Best simultaneous approximation in fuzzy 2-normed linear spaces, *International Journal of Mathematics Research*, Vol. 3, No. 6, 579 – 592 (2011). (ISSN 0976 – 5840)
38. **B. Surender Reddy**, Some results on t -best approximation in fuzzy anti- n -normed linear spaces, *International Journal of Mathematical Archive*, Vol. 2, No. 10, 2036 – 2044, October (2011). (ISSN 2229 – 5046)
39. **B. Surender Reddy**, Best simultaneous approximation in fuzzy n -normed linear spaces, *International Journal of Mathematical Archive*, Vol. 2, No. 11, 2090 – 2100, November (2011). (ISSN 2229 – 5046)
40. **B. Surender Reddy**, Multiparameter Spectral Theory for weakly coupled operator system with unbounded operators by using Right definite condition on Hilber tensor product space, *The Mathematics Education*, Vol. XLV, No. 4, 271 – 283, December (2011). (ISSN 0047 – 6269)
41. **B. Surender Reddy**, Some results on t -best approximation in fuzzy anti-normed linear spaces, *International Journal of Pure and Applied Mathematics*, Vol. 74, No. 3, 357 – 365, (2012). (ISSN 1311 – 8080) (Scopus)
42. **B. Surender Reddy**, Some results on t -best approximation in fuzzy anti-2-normed linear spaces, *International Journal of Pure and Applied Mathematics*, Vol. 74, No. 4, 497 – 507, (2012). (ISSN 1311 – 8080) (Scopus)
43. Hemen Dutta and **B. Surender Reddy**, On Some difference paranormed statistically convergence spaces defined over real 2-normed spaces, *Southeast Asian Bulletin of Mathematics*, Vol. 36, No. 2, 197 – 208, (2012). (ISSN 0129 – 2021) (web of Science)
44. **B. Surender Reddy** and Hemen Dutta, On t -best co-approximation in fuzzy anti-2-normed linear spaces, *International Journal of Fuzzy Mathematics and Systems*, Vol. 2, No. 3, 297 – 306, (2012). (ISSN 2248 – 9940)

45. **B. Surender Reddy**, On t-best co-approximation in fuzzy n-normed linear spaces, *International Journal of Pure and Applied Mathematical Sciences*, **Vol. 5, No. 1, 13 – 22**, (2012). (ISSN 0972 –9828) (Scopus)
46. **B. Surender Reddy**, Some Classes of Difference Sequences Associated with Multiplier Sequences Defined by Sequence of Orlicz Functions, *The Journal of the Indian Academy of Mathematics*, **Vol. 34, No. 1, 331 – 344**, (2012). (ISSN 0970 – 5120)
47. Hemen Dutta and **B. Surender Reddy**, On Some sequence spaces, *Tamsui Oxford Journal of information and Mathematical sciences*, **Vol. 28, No. 1, 1 – 12**, (2012). (ISSN 0258 – 5375)
48. **B. Surender Reddy** and Hemen Dutta, Best simultaneous approximation in fuzzy anti-normed linear spaces, *Journal of Intelligent and Fuzzy Systems*, **Vol. 25, No. 1, 95 – 102**, (2013). (ISSN 1064 –1124) (SCI accredited, Scopus enlisted, **Impact Factor: 0.788**)
49. **B. Surender Reddy** and D.Shankaraiah, On Ideal convergent sequences in p-adic linear 2-normed spaces, *General Mathematics Notes*, **Vol. 17, No. 1, 88 – 104**, **July (2013)**. (ISSN 2219 -7184)
50. **B. Surender Reddy** and D. Shankaraiah, On I Cauchy sequences in p-adic linear 2-normed spaces, *International Journal of Pure and Applied Mathematics*, **Vol. 89, No. 4, 483 – 496**, (2013). (ISSN 1311 – 8080) (Scopus)
<http://dx.doi.org/10.12732/ijpam.v89i4.4>
51. **B. Surender Reddy** and M. Srinivas, Fuzzy anti-n-continuous and n-bounded linear operators, *Journal of Mathematics Research*, **Vol. 5, No. 4, 71 – 82, November (2013)**. (DOI: 10.5539/jmr.v5n4p71) (ISSN 1916-9795) (E-ISSN 1916-9809)
<http://dx.doi.org/10.5539/jmr.v5n4p71>
52. Hemen Dutta, **B. Surender Reddy** and Iqbal H. Jebril, On two new types of statistical convergent and a summability method, *Acta Scientiarum Technology*, **Vol. 36, No. 1, 135 – 139, Jan - Mar (2014)**. (ISSN 1807 –8664) (SCI accredited, Scopus enlisted, **Impact Factor: 0.191**) <https://doi.org/10.4025/actascitechnol.v36i1.16206>
53. **B. Surender Reddy** and D. Shankaraiah, On Ideal convergent of double sequences in p-adic linear 2-normed spaces, *Global Journal of Pure and Applied Mathematics*, **Vol. 10, No. 1, 7 – 20**, (2014). (ISSN 0973 -1768) (Scopus)
http://www.ripublication.com/gjpamv7/gjpamv10n1_02.pdf 54.
54. **B. Surender Reddy** and D. Shankaraiah, On I_2 -Cauchy double sequences in p-adic linear 2-normed spaces, *IOSR Journal of Mathematics (IOSR-JM)*, **Vol. 10, No. 2, 59 – 69**, (March-April 2014). (e-ISSN 2278 – 5728, p-ISSN 2319-765X)
<http://www.iosrjournals.org> DOI:10.9790/5278-10235969
55. **B. Surender Reddy** and M. Srinivas, Statistical Convergence in Fuzzy – n-normed spaces, *International Journal of Pure and Applied Mathematics*, **Vol. 104, No. 1, 29 – 42**, (2015). (ISSN 1311 – 8080) (Scopus)
<http://dx.doi.org/10.12732/ijpam.v104i1.3>
56. P.R.Kavyasree and **B. Surender Reddy**, Cubic Γ -n-normed linear spaces, *Malaya Journal of Matematik*, **Vol. 06, No. 3, 643–647**, (2018).(ISSN(P)2319–3786; ISSN(O)2321–5666)
<https://doi.org/10.26637/MJM0603/0028>

57. P.R.Kavyasree and **B. Surender Reddy**, Some Results of Double Sequences in 2-Normed and n-Normed Spaces, *Applications and Applied Mathematics An international Journal (AAM)*, **Special Issue No. 4**, 97 – 105 (March, 2019). (ISSN : 1932-9466)
<https://digitalcommons.pvamu.edu/aam/vol14/iss4/8>
58. Farah Diyab and **B. Surender Reddy**, Analytic and geometric aspects of Laplace operator on Riemannian manifold, *Malaya Journal of Matematik*, **Vol. 08, No. 4**, 1556 – 1561, (2020). (ISSN(P)2319-3786; ISSN(O)2321-5666)
<https://doi.org/10.26637/MJM0804/0038>
59. P.R.Kavyasree and **B. Surender Reddy**, Cubic picture fuzzy linear Spaces, *American Institute of Physics (AIP) Conference Proceedings* **2378**, 020012-1-020012-12 (2021). (ISBN : 978-0-7354-4108-8) <https://doi.org/10.1063/5.0058243>
60. P.R.Kavyasree and **B. Surender Reddy**, N-Cubic sets applied to Linear Spaces, *Kragujevac Journal of Mathematics*, **Vol. 46, No. 4**, 575 – 594, (2022). (ISSN(P) 1450-9628, ISSN(O) 2406-3045) (Scopus) <https://doi.org/10.46793/KgJMat2204.575K>
61. Farah Diyab and **B. Surender Reddy**, Discreetness of Specturm of Schui odinger operator on Riemannian Manifold by using Lebesgue measure, *International Journal of Mathematics Trends and Technology(IJMTT)* **Vol. 68, No. 8**, 67 – 71, August (2022). (ISSN: 2231-5373) <https://doi.org/10.14445/22315373/IJMTT-V68I8P507>
62. P.R.Kavyasree and **B. Surender Reddy**, Cubic picture Hesitant fuzzy linear spaces and their applications in multi criteria decision making, *Real Life Applications of Multiple Criteria Decision-Making Techniques in Fuzzy Doman*, Springer Nature Singapore Pte Ltd (Publisher), Chapter 25, 18-12- 2022. (ISBN-13:9789811949289)
63. Farah Diyab and **B. Surender Reddy**, Comparison of Laplace Beltrami operator Eigenvalues on Riemannian manifolds, *European Journal of Mathematics and Statistics*, **Vol. 3, No. 5**, 55 – 60, October (2022). (ISSN: 2736-5484)
DOI <https://doi.org/10.24018/ejmath.2022.3.5.143>
64. Farah Diyab and **B. Surender Reddy**, Some aspects of theory of Schroginger operators on Riemannian Manifold, *Communications in Mathematics and Applications*, **Vol 13, No 5**, 1475–1487, (2022) (Special Issue: ICMRSE-2022). (ISSN: 0976-5905)
<http://doi.org/10.26713/cma.v13i5.2258>
65. P.R.Kavyasree and **B. Surender Reddy**, Cubic pythagorean fuzzy linear Spaces, *TWMS Journal of Applied and Engineerng Mathematics*, **Vol. 13, No. 3**, 937 –950, (2023). (Impact Factor 1.892) (ISSN: 2146-1147)
<https://jaem.isikun.edu.tr/web/images/articles/vol.13.no.3/11.pdf>
66. **B. Surender Reddy**, A Note on Visible Sets, *International Journal of Mathematics and Computer Research*, **Vol 11, No 7**, 3550–3554, (2023) (ISSN: 2320-7167).
<https://doi.org/10.47191/ijmcr/v11i7.08>
67. G.Soujanya, P.R.Kavyasree and **B. Surender Reddy**, Cubic pythagorean Hesitant fuzzy linear Spaces and its relevance in Multi Criteria Decision Making, *Inernatinal journal of analysis and appclations*, **Vol 21, No128**, 1–13, (2023). <https://doi.org/10.28924/2291-8639-21-2023-128> (ISSN: 2291-8639) (Scopus)

68. **B. Surender Reddy**, S. Vijayabalaji, N. Taillaigovindan and P. Balaji, A Vague Rough set approach for Failure Mode and Effect analysis in Medical Accident, Internatinal journal of analysis and applcations, **Vol 21, No.134, 1–14, (2023)**. <https://doi.org/10.28924/2291-8639-21-2023-134> (ISSN: 2291-8639) (Scopus)
69. **B. Surender Reddy** , S. Vijayabalaji, K. Punniyamoorthy and A.V. Raghavendra Rao, Soft n-Normed Linear Spaces: Generalizations and Extensions from Soft Normed Spaces, Communications in Mathematics and Applications, **Vol 15, No.1, 1-13, (2024)**.
70. **B. Surender Reddy**, S. Vijayabalaji, N. Taillaigovindan and K. Punniyamoorthy, Emerging Frameworks : 2-Multiplicative Metric and Normed Linear Spaces, Mathematics and Statistics, **Vol 12, No. 2, 199-203, (2024)**. (ISSN: (P) 2332-2071 ; ISSN: (O) 2332-2144) <http://doi.org/10.13189/ms.2024.120209>
71. K.Ramalingaih and **B. Surender Reddy**, Cubic Structure on Soft Gamma-m-Normed Linear Space, Indian Journal of Science and Technology, (Accepted)
72. G.Soujanay and **B. Surender Reddy**, N-Cubic Picture Fuzzy Linear Spaces, Indian Journal of Science and Technology (Accepted)

List of paper presented in Conferences:

1. **B. Surender Reddy**, Multiparameter Spectral Theory for weakly coupled operator system with unbounded operators by using left definite condition on Hilbert tensor product space, *National Conference on New trends in Functional Analysis and Operator Theory*, Organized by Department of Mathematics, Osmania University, March 11 – 12, 2005.
2. **B. Surender Reddy**, Multiparameter Spectral Theory for weakly coupled operator system with bounded operators on a Hilbert tensor product space, *National Seminar on Functional Analysis and its applications*, Organized by Department of Mathematics, Osmania University on November 24, 2007.
3. **B. Surender Reddy**, Hemen Dutta and Iabal H. Jebril, On n-nromed linear space valued ∇_r -Cesaro and strongly ∇_r -lacunary summable sequences, *International Congress of Mathematicians (ICM)*, Abstracts ICM –2010, 258 – 259, Hyderabad, August 19 – 27, 2010.
4. **B. Surender Reddy**, Fuzzy anti-n-continuous Linear Operators, *National Conference on Geometry, Analysis and Fluid Mechanics (NCGAF-2013)*, Department of Mathematics, Government First Grade College, Koppa, Karnataka, September 20 - 21, 2013.

List of Conferences/Seminars/Workshops attended:

1. Participated in the Symposium on Challenges in Mathematics and Computer Science, Organised by Department of Mathematics, Osmania University, Hyderabad, February 29 – March 1, 2003.
2. Participated in the national seminar on *Algebra-Its Applications*, Organised by Department of Mathematics, Osmania University, Hyderabad, March 29 – 30, 2003.
3. Participated in the Work Shop on *Linear Algebra and Analysis*, Organized by Department of Mathematics, Hyderabad Central University, September 14 – 17, 2006.

4. Participated in the Departmental Conference Cum Work Shop in Mathematics, Organized by Department of Mathematics, Osmania University, Hyderabad on December 28, 2006.
5. Participated in the Departmental Conference Cum Work Shop in Mathematics, Organized by Department of Mathematics, Osmania University, Hyderabad, August 13 – 14, 2007.
6. Participated in the XV Congress, Organized by NGRI and Supported by Ministry of Earth Sciences, Government of India, December 08 – 10, 2007.
7. Participated in the XVI Congress and National Conference on Mathematical Modeling in Emerging Technologies, Organized by MREC, February 13 – 15, 2009.
8. Participated in the National Conference on Mathematical Sciences, Organized by Department of Mathematics, Osmania University, Hyderabad, March 30 – 31, 2010.
9. Participated in the International Conference on Climate Change-Perspectives and Projection – A systems Approach, Organized by Osmania University, Hyderabad, December 9 – 11, 2010.

List of Conferences/Seminars/Workshops Organised:

1. Treasurer, Three day workshop on python programming organized by Department of Mathematics, Osmania University, Hyderabad, January 6 – 8, 2017.
2. Course Coordinator, Four day workshop on Real Analysis organized by Department of Mathematics, Osmania University, Hyderabad, September 17-20, 2017.
3. Course Coordinator, One week instructional School on Abstract Algebra organized by Department of Mathematics, Osmania University, Hyderabad, Decemeber 3-8, 2017.
4. Co-Convener, International Conference on Computational Fluid Flow and Heat transfer (CFFHT-2018) organized by Department of Mathematics, Osmania University, Hyderabad, March 28-29, 2018.
5. Co-Convener, National Conference on Mathematical Sciences and Applications (NCMSA-2018) organized by Department of Mathematics, Osmania University, Hyderabad, July 30-31, 2018.
6. Convener, National Conference on Recent Advances and Applications (NCRAAM-2019) organized by Department of Mathematics, Osmania University, Hyderabad, February 26-27, 2019.
7. Convener, 30th Congress of APTSMS and International Conference on Mathematics & its Relevance to Science and Engineering (ICMRSE-2022) organized by Department of Mathematics, Osmania University, Hyderabad, 12th -14th February, 2022.

List of Refresher/Orientation Courses attended:

1. Attended the Orientation Course, Organized by Academic Staff College, Hyderabad Central University, Hyderabad from 17-07-1999 to 13-08-1999.
2. Attended the Refresher Course in Mathematics, Organized by Academic Staff College, Osmania University, Hyderabad from 11-11-2002 to 30-11-2002.
3. Attended the Refresher Course in Mathematics, Organized by Academic Staff College, Hyderabad Central University, Hyderabad from 30-06-2003 to 19-07-2003.

4. Attended the Refresher Course in Mathematics, Organized by Office of the Commissioner of Collegiate Education, A.P, Hyderabad from 20-01-2004 to 30-01-2004.
5. Attended the Refresher Course in Mathematics, Organized by Academic Staff College, Hyderabad Central University, Hyderabad from 14-06-2004 to 03-07-2004.
6. Attended the Orientation Course, Organized by Osmania University Centre for International Programmes (OUCIP), Osmania University, Hyderabad from 12-06-2007 to 22-06-2007.
7. Participated in the Professional Development Programme, Organized by Academic Staff College, Hyderabad Central University, November 15 – 20, 2010.

List of Lectures delivered as invited/Resource person in seminars/Symposia/Conferences/Workshops/Orientation/Refresher Courses/other events:

1. Delivered a Lecturer on 3rd and 14th December, 2015 in Three day training program for Junior Lecturers Organized by Department of Intermediate Education, Telangana State.
2. Delivered a Lecturer on 17.9.2017 in Four day workshop on Real Analysis Organized by Department of Mathematics, Osmania University from 17.9.2017 to 20.9.2017.
3. Delivered a Lecturer on 4.12.2017 in one week Instructional School on Abstract Algebra Organized by Department of Mathematics, Osmania University from 3.12.2017 to 8.12.2017.
4. Delivered a Lecturer on 4.10.2018 in a Seminar on Diagonal Groups, Organized by Department of Mathematics, Vignan Jyothi Institute of Arts and Sciences, Hyderabad.
5. Delivered a Lecturer on 17.11.2018 in a Seminar on Direct Product of Groups, Organized by Department of Mathematics, Keshava Memorial Degree and PG College, Hyderabad.
6. Invited talk on N-cubic sets in linear spaces in two days national conference organized by Department of Mathematics, Mahatma Gandhi University, Nalgonda, 3-5 October, 2020.
7. Delivered a Lecturer on 17.10.2022 in Refresher Course in Mathematical Sciences and its Applications Organized by the UGC-HRDC(Academic Staff College), Osmania University from 17.10.2022 to 31.10.2022.
8. Delivered a Lecturer on 25.10.2022 in Refresher Course in Mathematical Sciences and its Applications Organized by the UGC-HRDC(Academic Staff College), Osmania University from 17.10.2022 to 31.10.2022.
9. Delivered a Lecturer on 01.06.2022 in Three Week Industrial Training Programme for the faculty of Mathematics of Government Polytechnic Colleges in Telangana State Organized by the UGC-HRDC(Academic Staff College), Osmania University from 01.06.2022 to 21.06.2022.
10. Delivered a Lecturer on 10.06.2022 in Three Week Industrial Training Programme for the faculty of Mathematics of Government Polytechnic Colleges in Telangana State Organized by the UGC-HRDC(Academic Staff College), Osmania University from 01.06.2022 to 21.06.2022.
11. Delivered a Lecturer on 18.08.2022 in a Seminar on Groups and its Applications, Organized by Department of Mathematics, ST. Joseph's Degree and PG College, Hyderabad.
12. Delivered a Lecturer on 22.08.2022 in One Week Faculty Development Programme on Pedagogical Approaches in Teaching Engineering Mathematics Jointly Organized by

Department of Mathematics, OU and Matrusri Engineering College from 22.08.2022 to 27.08.2022.

13. Delivered a Lecturer on 06.02.2023 in a Seminar on Direct product of Groups, Organized by Department of Mathematics, Dr.B.R.Ambedkar Degree College, Hyderabad.
14. Invited talk on Applications of eigen values and eigen vectors in a National Conference on Recent Trends in Mathematics in the field of Science and Technology (RMST-2024), Organized by Department of Mathematics, Vasavi Engineering College, Hyderabad. 11-12 March, 2024.
15. Delivered a Lecturer on Applications of Group theory, Department of Mathematics, Central University of Kashmir on 25.06.2024.
16. Delivered a Lecturer on Applications of Group theory, Department of Mathematics, Vinitha Mahavidyalaya Degree and PG College, Hyderabad 22.07.2024.