

PROFILE

1. Name : Dr. Chethana B.C.
2. Educational Qualification : M.Sc. Ph.D.
3. Date of Birth : 30 March 1987
4. Date of Appointment : 20 September 2021
5. Teaching Experience : 4 Years
6. Designation : Assistant Professor
7. Publications : 07 Papers published 04 Communicated.
8. Area of the Research work : Differential Geometry/Finsler Geometry.
9. Title of the Ph.D. Thesis : Geometry of Ricci Tensor in Finsler Spaces.
10. Research Experience : From June 2010 to till date
11. Subjects Taught at UG/PG Level : Differential Equations, Numerical Analysis, Algebra, Differential Calculus Complex Analysis, Analysis, Operation Research.

12. PUBLICATIONS IN INTERNATIONAL/NATIONAL JOURNALS:

1. S. K. Narasimhamurthy, **Chethana B. C.**, and Latha Kumari G. N., “Projectively Flat Finsler Space With Special (α, β) –Metric.”, Journal of the Tensor Society, Vol.8, (2014), 131-137.
2. S. K. Narasimhamurthy, **Chethana B. C.**, and Latha Kumari G. N., “ On Projectively Related Kropina Metric.”, British Journal of Mathematics and Computer Science, Vol. 8 No. 4, (2015), 309-317.
3. **Chethana B. C.**, S. K. Narasimhamurthy and Latha Kumari G. N., “ Ricci Curvature Of Einstein Kropina Metric.”, Mathematica Aeterna, Vol. 5 No. 4, (2015), 649-656.
4. S. K. Narasimhamurthy and **Chethana B. C.**, “ On the Projective Equivalence Between First Approximate Matsumoto Metric and Kropina metric.”,

International Journal of Engineering Sciences and Research Technology, Vol. 4 No. 11, (2015), 703-709.

5. **Chethana B. C.** and S. K. Narasimhamurthy, “ On Semi-C-Reducible Finsler Metrics.”, International Scientific Journal on Science Engineering and Technology, Vol.18 No. 07, (2015), 261-264.
6. S. K. Narasimhamurthy, **Chethana B. C.** and Vasantha D. M., “ Ricci Flow Equationson Qusi-C-Reducible Finsler Space.”, International Journal of Mathematics Trends and Technology, Vol. 29 No. 1, (2016), 28-32.
7. **Chethana B. C.**, S. K. Narasimhamurthy and “Locally Projectively Flat Special (α, β) –Metric.”, Palestine Journal of Mathematics, Vol. 10 (Special Issue I)(2021) , 69-74.

13. Communicated Articles:

1. **Chethana B. C.** and S. K. Narasimhamurthy, “ Projectively Flat Special Class Of (α, β) –Metric.”.
2. **Chethana B. C.** and S. K. Narasimhamurthy., “Geometry of Berwald connection in a Finsler space with (α, β) –metric”.
3. **Chethana B. C.** and S. K. Narasimhamurthy., “Constant Ricci Curvature For Projectively Flat Generalized Kropina Metric”.
4. **Chethana B. C.** and S. K. Narasimhamurthy., “Properties of Weakly Berwald Space With Special (α, β) –metric”.

14. INTERNATIONAL/NATIONAL CONFERENCES/SEMINARS ATTENDED:

1. I **Participated** in Kuvempu University Special Lecture Series organized by Department of Mathematics, Kuvempu University, Shankaraghatta at University Campus during March 30 to April 1 2009.
2. I **Attended** in Kuvempu University 3rd Annual Conference of the Tensor Society organized by Department of Mathematics, Kuvempu University, Shankaraghatta at University Campus during May 27-28, 2011.
3. I **Participated** in Kuvempu University Silver Jubilee Exhibition organized by Department of Mathematics, Kuvempu University, Shankaraghatta at University Campus during February 16th to 19th, 2012.

4. I actively **Attended** in the National conference on Recent Developments in Mathematics held during 4th and 5th May, 2012 organized by the Department of P.G. Studies and Research in Mathematics, Kuvempu University, Shankaraghatta.
5. I **Participated** in Special Lecture Series in Mathematics organized by Karnataka Science and Technology Academy, Government of Karnataka, and Department of Mathematics, Kuvempu University, Shankaraghatta at University Campus during October 4th to 6th , 2012.
6. I **Participated** in MATHS FEST-2013 organized by Department of P.G. Studies and Research in Mathematics, Kuvempu University, JnanaSahydri, Shankaraghatta at University Campus during February 22nd and 23rd, 2013.
7. I **Attended** in the National conference on Mathematical Sciences and Applications, Sponsored by UGC, held during 9th March, 2013 organized by Department of Mathematics, Govt. First Grade College, Koppa, Chikkamagalore(D).
8. I **Attended** one day State level seminar on “Advances in Mathematics and its Applications”,held during 24th March 2017 organized by Department of Mathematics, Sahyadri Science College, Kuvempu University, Shimoga.
9. I **Attended** one week National level Workshop on “Differential Geometry and its Applications in Engineering Fields”, held during 21-25 January 2019 organized by Department of Mathematics, JNN college of Engineering, Shimoga.

15. ORIENTATION / REFRESHER COURSES ATTENDED:

1. I **Participated** in Eight days instructional workshop on Differential geometry, that is Faculty Enrichment Programme-2014 (FEP-2014) jointly organized by Department of Mathematics, Kuvempu University, Shankaraghatta and Ramanujan Mathematical Society during April 5th to 12th 2014.

16. INTERNATIONAL/NATIONAL CONFERENCES/SEMINARS PRESENTED:

1. I **Participated** in one day Conference organized by Department of Mathematics, Banglore University, at Central College Campus, Banglore and also **Presented** the paper entitled “on special Einstein (α, β) –metric” during July 25th, 2013.
2. I **Attended** two days National conference on Geometry, Analysis and Fluid Mechanics (NCGAF-2013) and also **Presented** the paper entitled “Projectively flat special (α, β) metric ”, held during 20-21 September, 2013 organized by Department

of Mathematics, Govt. First Grade College, Koppa, Chikkamaglore(D) associated with Kuvempu University, Shankaraghatta.

3. In November 09-11, 2013 I have **Attended** the three days International conference on Differential geometry and Relativity (ICDGR-2013), also **Presented** the paper entitled "Curvature properties of projectively related Kropina metric", organized by Department of Mathematics and Statistics, associated with The Tensor Society, at DDU Gorakhpur University, Gorakhpur, Uttar Pradesh, India.
4. I **Attended** two days National conference on Advances in Geometry, Analysis and Fluid Mechanics and also **Presented** the paper entitled "On Projectively Related Kropina Metric ", held during 26-27 August 2014 organized by Department of Mathematics, Kuvempu University, Shankaraghatta.
5. I **Attended** two days International conference on Differential Geometry, Analysis and Fluid Mechanics and also **Presented** the paper entitled "Ricci Curvature of Einstein Kropina metric ", held during 4-5 Feb 2016 organized by Department of Mathematics, Kuvempu University, Shankaraghatta.

17. WEBINARS ATTENDED AND PRESENTED IN INTERNATIONAL/NATIONAL CONFERENCES/SEMINARS:

1. I **Attended** two days International conference on Recent Trends in Applied and computational Mathematics and also **Presented** the paper entitled " Locally Projectively Flat (α, β) –metric", held during 4-5 Dec 2020 organized by Department of Mathematics, RevaUniversity, Bangalore.
2. I **Attended** two days International conference on Recent Trends in Applied and computational Mathematics and also **Presented** the paper entitled " Constant Ricci Curvature for Projectively Flat Generalized Kropina Metric", held during 8-9 October 2021 organized by Department of Mathematics, Reva University, Bangalore.
3. I **Attended** three days 27th International conference of International Academy of Physical Sciences(CONIAPS XXVII)on Fluid Mechanics and itsIndustrial Applications and also **Presented** the paper entitled "Projectively flat Special Class of (α, β) –metric", held during 26-28 October 2021 organized by Department of P.G. Studies and Research in Mathematics, Kuvempu University, Shankaraghatta.

18. Additional Duties

1. Convenor of the Science Forum 2021-22.
2. Convenor of the Rangers 2021-22.
3. Member of the Examination Committee 2021-22.

19. Programmes attended with Students

1. Attended the Kannadadalli Vijñāna Vupanyasa-2021 Competition on 27th November 2021 at MES B.Ed. College, Davanagere.

20. Association with

1. Life Member of the “**Journal of the Tensor Society (JTS)**”.

21. Family History

Father : B. Chandrashekarappa.
Education : B.Com.,
Occupation : Government retired Auditor
Mother : B.C. Pushpavathi.
Occupation : House wife.
Siblings : One Elder Sister
Spouse : Dr. Anil K.U.
Education : B.V.Sc. & AH, M.V.Sc,
Occupation : Senior Veterinary Officer.
Children : Two Daughters.