

# SDMCET MATHEMATICS NEWS LETTER

[Sri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad]

## Department of Mathematics

(Our Motto: To Develop Competent Professionals to render their service to Society)

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**Dr. Jenifer Karnel**

**Editor-in-Chief**

**Dr. Basavaraj H**

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**Dr. Varsha Joshi**

**Advisor**

The Department of Mathematics was established in the year 1979. The department has always shared the vision of the Institute in striving for excellence in teaching and research activities and has succeeded in this endeavour to a large extent. With Qualified and competent faculty with an average experience of more than 15 years the department has a Strong teaching learning process. The main vision of the department is to develop Competent Professionals with relevant mathematical knowledge and render their service to Society.

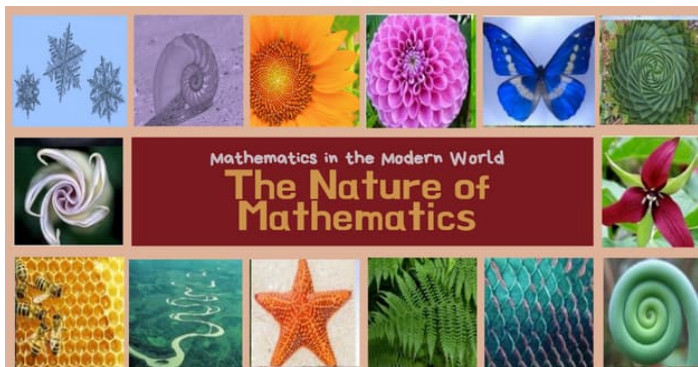
### Editorial

It gives me great pleasure to present this Eight issue of News-Letter. Congratulation and best wishes to all faculty for their active involvement in online and off-line activities along with their regular academic assignments.

Dr. Jenifer Karnel

### “FDP-NPTEL”

❖ **Dr. Jenifer J Karnel** has successfully completed the four weeks FDP conducted by NPTEL on “Geometry of Vision” with a consolidated score of 87%.



$$\sqrt{\{M\ddot{a}t\dot{h} \notin M\ddot{a}t\dot{i}^2 \subset \Sigma\}} = \infty$$

The base of science...  
The base of life...

**NATIONAL MATHEMATICS DAY 2022**



### **MATHS IN NATURE**

Mathematics is everywhere in this universe. We seldom note it. We enjoy nature and are not interested in going deep about what mathematical idea is in it. Here are a very few properties of mathematics that are depicted in nature.

## Faculty Corner:

### Conference Paper Presentation Preparation



★ **Dr. Varsha Joshi**, attended and presented a paper on Regular generalized fuzzy b continuous map in fuzzy topology in "International Conference on Recent Trends in Applied Sciences" held at Srinivas Institute of Technology, Mangaluru on 3rd & 4th August 2022.

★ **Dr. Basavaraj Hoogar**, attended and presented a Research Paper Entitled "Modified Numerical Technique for Fractional Delay Differential Equations via Taylor Wavelets", in the International Conference on Wavelet Analysis and Graph Theory 2022 (ICWAGT 2022) during September 15-16, 2022 organized by SASTRA Deemed University, Thanjavur-613401, Tamilnadu, India.

★ **Dr. Basavaraj Hoogar**, has attended and presented a Research Paper Entitled "An Efficient Genocchi Wavelet Method for Numerical Solution of Fractional Delay Differential Equations", in the International Conference on Recent Advances in Fluid Mechanics (ICRAFM-2022) from 4<sup>th</sup> to 6<sup>th</sup> October, 2022 held at Manipal Institute of Technology, MAHE Manipal, Karnataka, India.

★ **Prof. Shreekanth Kanguri**, participated in "Third International Conference on Recent Trends in Applied and Computational Mathematics-ICRTACM-2022" organized by School of Applied Sciences (Mathematics) REVA University, Bengaluru, India. On 10th & 11th October 2022.

★ **Dr. D.P. Basti**,- Participated in International Webinar on "Recent Trends and Applications of Mathematics", organized by Department of Computational Science and Humanities, Indian Institute of Information Technology Kottayam. held on 28-09-2022.

★ **Dr. Shailaja Shirkol**, attended VGST Sponsored Five days, Faculty Development Program on "Mathematical Foundation for Machine Learning" (Scheduled from 25.07.2022 & (03 to 06.08.2022) Organized by Tontadarya College of Engineering, Gadag.

★ **Dr. Shailaja Shirkol**, participated five-days AICTE Online FDP on Inculcating Universal Human Values in Technical Education from 10<sup>th</sup> -14<sup>th</sup> October 2022.

★ **Dr. Basavaraj Hoogar**, has attended "One Day Faculty Orientation Program on Revised Chemistry, Physics and Mathematics Syllabus-2022 for Belagavi Region" which was held on 29<sup>th</sup> November 2022 at RTE Society's Rural Engineering College Hulkoti.



★ **Dr. D.P. Basti**, has reviewed the Research Article paper (No. Ms\_ARJOM\_88596) "Magneto hydrodynamic Jeffrey Nanofluid Flow over a Vertical Sheet". International Journal of "Asian Research Journal of Mathematics"-June -2022.

★ **Dr. D.P. Basti**, has reviewed the Research Article paper (No. Ms\_JSRR\_91251) "A Numerical Study of the behaviour on Lock Volume Variations in Lock-Exchange Density Current In Cold Fresh Water". International Journal of "Journal of Scientific Research and Reports" August -2022.



### Research Paper Publication

★ **Dr. D.P. Basti and Mr. Shreekanth Kanguri**, published research article entitled "Micropolar Fluids Effect on Squeeze Film Characteristics of Secant Curved Circular Plates" in Shodha International journal, ISSN 2249-0396, PP:142-156.

★ **Dr. Basavaraj Hoogar**, has attended National Webinar on "FUZZY MATHEMATICS" on 26 October 2022, organized by PG Department of Mathematics, Gonzaga College of Arts and Science for Women, Krishnagiri District, Tamilnadu, India.

★ **Dr. Basavaraj Hoogar and Prof. Shreekanth K**, attended Three Days Workshop on Python Programming to acquire knowledge about the Lab components to teach Engineering Mathematics using Python held on 8<sup>th</sup> -10<sup>th</sup> December, 2022 at VVCE, Mysuru.