




## K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.

<b>Faculty Name</b>	Dr Renuka C	
<b>Designation</b>	Assistant Professor	
<b>Educational Qualification</b>	Msc., M.Phil., Ph.D	
<b>Experience in Years</b>	Teaching: 16 Industry : -	
<b>Areas of Interest</b>	Condensed Matter Physics	
<b>E-mail</b>	renukachandrasekharan@ksit.edu.in	

### Educational Details

Examination/ Degree	College / University	Year of Passing
UG	Mahaveera College, Moodbidri	2002
PG	Kuvempu University	2004
M.Phil	Annamalai University	2008
PhD	Bharathiar University	2018

### Publications

#### Journal Publications:

1. Renuka C, Narayana Reddy C, 2020, "Ion dynamics and dielectric relaxation in  $\text{NaPO}_3$ -  $\text{MoO}_3$  glasses prepared by microwave method" *Material Today Conference Proceedings*. 22(44) 2225-2235.
2. Renuka, C., Sujatha, B., Sivasankarareddy, N., Viswanatha, R. and Narayanareddy, C., 2018, April. Conductivity studies on molybdo-phosphate glasses containing ZnO. In *AIP Conference Proceedings* (Vol. 1942, No. 1, p. 110039). AIP Publishing.
3. Renuka, C., Viswanatha, R. and Reddy, C.N., 2017. Thermal and fragility aspects of microwave synthesized glasses containing transition metal ions and heavy metal ions. *Indian Journal of Physics*, 91(2), pp.139-148.
4. Renuka, C., Shinde, A.B., Krishna, P.S.R. and Reddy, C.N., 2016. Structural analysis of molybdo-zinc-phosphate glasses: Neutron scattering, FTIR, Raman scattering, MAS NMR studies. *Journal of Molecular Structure*, 1118, pp.83-90.
5. Renuka C , N. Sivasankara Reddy , M. Sudhakara Reddy , R. Viswanatha and C. Narayana Reddy "Optical properties of microwave prepared glasses containing manganese ions", *International Journal of Luminescence and Applications* vol. 5, No1, Feb 2015, Article ID:070 pp-121-124 (Impact factor :3.805)

6. M. Sudakara Reddy , N. Sivasankara Reddy , **C. Renuka** , Chikkahanumantharayappa and C. Narayana Reddy “Optical Properties of Nd<sup>3+</sup> Doped Sodium-Diborate Glasses Containing Heavy Metal Ions”. *International Journal of Luminescence and Applications* (ISSN: 2277-6362) Vol. 5, No. 1, February 2015. Article ID: 067. pp.111-114. (Impact factor :3.805)

### Conference Papers :

1. Presented a paper “Ion dynamics and dielectric relaxation in  $\text{NaPO}_3\text{-MoO}_3$  glasses prepared by microwave method” in the 2<sup>nd</sup> international conference on materials, manufacturing and modelling ICMMM-2019 held at Vellore Institute of Technology, Vellore on 29<sup>th</sup>-31<sup>st</sup> March 2019.
2. Presented a paper “Conductivity studies on molybdo-phosphate glasses containing ZnO” in 62<sup>nd</sup> DAE Solid State Physics Symposium, held in Bhabha Atomic Research Centre, Mumbai during 26<sup>th</sup> - 30<sup>th</sup> December 2017.
3. Presented a paper “Optical properties of microwave prepared glasses containing manganese ions” in 5<sup>th</sup> International conference on Luminescence and its application.(ICLA2015) at PES University from 9-12 Feb 2015.
4. Presented a paper “Modulated DSC, structural studies of  $\text{MoO}_3\text{-ZnO-PbCl}_2\text{-NaPO}_3$  glass prepared by Microwave technique” the International conference on advance in sustainability of materials and environment (ICASME’14) at St.Xavier’s Catholic College of Engineering, Nagercoil, TN, from 10<sup>th</sup>-11<sup>th</sup> April 2014.
5. Presented a paper” EPR studies on Zinc-Boro-Vanadate Glasses” at 55<sup>th</sup> DAE Solid State Physics Symposium, held at Manipal University, Manipal from 26<sup>th</sup>-30<sup>th</sup> Dec 2010.
6. Presented a paper “Conductivity in Lithium Boro vanadate glasses” at the National Conference on “Emerging materials, devices and Technologies” held at S.V. University, Tirupathi, from 24<sup>th</sup> -25<sup>th</sup> Feb 2009.

### Awards

1.

### Other Accomplishment

1.

### Research Guidance

1.

### Professional Membership

1. Life member of Materials Research Society of India (MRSI).

## Contact Details

**Name: Dr Renuka C**

**Official Address:**

K.S. Group of Institutions

K.S.I.T

**#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.**

**Alternate Email: [renuka1125@gmail.com](mailto:renuka1125@gmail.com)**