K. S. INSTITUTE OF TECHNOLOGY

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

Faculty Name	Dr Renuka C
Designation	Assistant Professor
Educational Qualification	Msc., M.Phil., Ph.D
Experience in Years	Teaching: 16 Industry : - Research:11 years
Areas of Interest	Condensed Matter Physics
E-mail	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 $NaPO_3$- 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^{3}+ 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 $NaPO_3$-MoO_3 glasses prepared by microwave method" in the 2nd international conference on materials, manufacturing and modelling ICMMM-2019 held at Vellore Institute of Technology, Vellore on 29th-31st March 2019.
2. Presented a paper "Conductivity studies on molybdo-phosphate glasses containing ZnO" in 62nd DAE Solid State Physics Symposium, held in Bhabha Atomic Research Centre, Mumbai during 26th - 30th December 2017.
3. Presented a paper "Optical properties of microwave prepared glasses containing manganese ions" in 5th 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 MoO_3-ZnO-$PbCl_2$-$NaPO_3$ 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 10th-11th April 2014.
5. Presented a paper" EPR studies on Zinc-Boro-Vanadate Glasses" at 55th DAE Solid State Physics Symposium, held at Manipal University, Manipal from 26th-30th 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 24th -25th Feb 2009.

Awards

1.

Other Accomplishment

1.

Research Guidance

1.

Professional Membership

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

Contact Details

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