**Brief CV of Sumara Khursheed**

**Area of Interest**

Material science (Luminescent Polymer Nanocomposite films)

**Educational Qualification**

**Class 10th** Distinction, JKBOSE (in 2005)

**Class 12th** First Division, JKBOSE (in 2007)

**B.Sc.** Distinction, University of Kashmir, J&K**(Position holder)**

**M.Sc.** 8.46 on a scale of 10(**Gold medalist with Distinction**), Physics (in 2014)Shri Mata Vaishno Devi University, Katra, J&K, India

**Ph.D.** 8.25on a scale of 10(CGPA) in Comprehensive Examination. Awarded. Ph.D. in Physics in February 2020.

**Teaching Experience.**  Worked as Assistant Professor on contract basis in Central University of Kashmir from 01-09-2020 to 28-07-2021.

Currently working as Lecturer in Department of Physics Govt. degree college Kulgam from 28-07-2021 till date

**LIST OF PUBLICATIONS**

1. **S. Khursheed,** PankajBiswas, Vivek K. Singh, Vinay Kumar, H.C. Swart, Jitendra Sharma. *Synthesis and optical studies of KCaVO4:Sm3+/PMMA nanocomposites*.**Vacuum 159 (2019)** 414-422.
2. **S. Khursheed,**Vinay Kumar, Vivek K. Singh, Jitendra Sharma, H.C. Swart. *Optical properties of Sr3B2O6: Dy3+/PMMApolymer nanocomposites*, **Physica B: Physics of Condensed Matter 535 (2018)** 184-188.
3. **S. Khursheed,** Gulzar Ahmad Sheergojri, Jitendra Sharma.*Phosphor Polymer Nanocomposite: SrAl2O4:Eu2+, Dy3+ embedded PMMA for Solid-State Applications*, **materials today: Proceedings 21, 2096-2104,2020**

**4. S.Khursheed,** V Kumar, VK Singh, H.C. Swart, JSharma.Study of Luminescence from Terbium doped Strontium Borate nanophosphkrs in PMMA. **Applied Physics A 127 (4) , 1-10, 2021.**

**CONFERENCES/SEMINARS/WORKSHOPS Attended**

1. Attended “Refresher course on Experimental Physics” organized by Department of Physics, SMVDU, Katra from 15-25 December, 2014.
2. Presented a poster on “Synthesis of Sr3B2O6: Dy3+/PMMA by Solution Casting Method and its optical investigation for luminescent properties” in the National conference on Recent Advances in Materials science and spectroscopy, held at Dept. of Physics SMVD University from 15-17, Feb. 2016.
3. Presented a poster on “Effect of Synthesis Methods on Structural, Optical and Spectral Properties of Bluish-Green LiZnVO4 Phosphor” in the International Conference on nanotechnology for better life*,* held in NIT Srinagar from 25-29 May, 2016.
4. Presented a poster on “Preparation and properties investigation of PMMA/ SrAl2O4:Eu2+*,* Dy3+ Polymer Nanocomposite films” in the National conference on Study of Matter using intense radiation sources and under extreme conditions, held in UGC-DAE Consortium Indore from 3-6 Nov, 2016.
5. Presented a poster on “Luminescence studies of Sr3B2O6: Dy3+/PMMA for solid state lighting” in the International conference on Recent trends and Advancements in Engineering and Technology, held at Dept. of Engineering SMVD University from 17-18, Nov. 2016.
6. Presented a paper on“Investigation of structural, optical properties on PMMA/Sr3B2O6:Tb3+ polymer films: a green luminescent composite” in UGC sponsored National seminar on Growth Points in Physics held at Dept. of Physics University of Kashmir from 21-23, Oct. 2017.
7. Presented a poster on “ Structural and Photoluminescence Investigations of LiZnVO4 Phosphor for Displays ” in the International conference on 2nd International conference on condense matter and applied physics, held at Govt. engineering college, Bikaner from 24-25 Nov. 2017.
8. Presented a poster on “Properties of green Luminescent polymer nanocomposites (PVP/SrAl2O4/Dy3+:Eu2+)” in the National conference on Emerging trends in Material Science, held at Dept. of Physics SMVD University from 5-7, Feb. 2018.
9. Presented a poser on “Synthesis and optical studies of KCaVO4:Sm3+/PMMA nanocomposites” in the International conference on International Symposium on Functional materials, held at Dept. of Physics Chandigarh University from 13-15 April 2018.
10. Presented a poster on “Luminescent polymer Nanocomposites Made-upof Finely Dispersed KCaVO4: Sm3+ Powder in PVP Matrix-Polymer: A PotentialCandidate for Solid State Lighting” in the National conference on Recent advances in Experimental and theoretical Physics trends held at Dept. of Physics Central University from 17-18, April. 2018.
11. Presented a poster on “ Phosphor polymer Nanocomposite Sr3B2O6: Tb3+/PMMA embedded PMMA nanocomposite thin films for SSL applications ” in the international conference on International conference on Mechanical engineering and allied sciences, held at Dept. of Mechanical engineering, SMVDU from 14-15 Sept 2018.