Recent publications in the area of inorganic phosphors from the group

1) Amrithakrishnan B., Jawahar I. N., Subodh G., Insights into the crystal structure and photophysical response of Dy^{3+} doped $Li_3Y_3Te_2O_{12}$ for ratiometric temperature sensing, **Journal Science: Advanced Materials and Devices**, 2022 (accepted) https://www.sciencedirect.com/science/article/pii/S2468217922000284
2) Sreelekshmi A.K., Sariga C Lal, Subodh G., Probing the multifunctionality of double layered perovskite $NaGdMgTeO_6$: Eu^{3+} in ratiometric phosphor thermometry and solid state lighting, **Journal of Alloys and Compounds**, 905, 164138 (2022). https://www.sciencedirect.com/science/article/abs/pii/S0925838822005291
3) Amrithakrishnan B., Jawahar I. N., Subodh G., Distortion and energy transfer assisted tunability in garnet phosphors, **Critical Reviews in Solid State and Materials Sciences**, 2021. https://www.tandfonline.com/doi/full/10.1080/10408436.2021.1935211
4) Sariga C Lal, Jawahar I. N., Subodh G., Deep-red-emitting $SrLaLiTeO_6$:Mn^{4+} double perovskites: Correlation between Mn^{4+}- O^{2-} bonding and photoluminescence, **Journal of the American Ceramic Society**, 104, 5293-5306 (2021) https://ceramics.onlinelibrary.wiley.com/doi/full/10.1111/jace.17910
5) Sariga C. Lal, Jawahar I. N, Subodh G Distortion induced structural characteristics of $Ba_2R_{2/3}TeO_6$ (R = Y, Gd, Tb, Dy, Ho, Er, Tm, Yb and Lu) double perovskites and their multifunctional optical properties for lighting and ratiometric temperature sensing **Materials Advances** 2, 1328 (2021). https://pubs.rsc.org/en/content/articlehtml/2021/ma/d0ma00471e

6) Amrithakrishnan B, Jawahar I N, **Subodh G*** "Vibrationally Induced Photophysical Response of $Sr_2NaMg_2V_3O_{12}$:Eu^{3+} for Dual mode Temperature Sensing and Safety Signs" **Advanced Photonics Research** 2100159 (2021).

https://doi.org/10.1002/adpr.202100159