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Research subjects:	• Physical Chemistry • Materials Science	
Research Areas	• Nanomaterials • Luminescence applications • Biomedical applications • Microemulsion	
Recent publications	• M. Niraj Luwang, S. Chandra, D. Bahadur, S. K. Srivastava, “Dendrimer facilitated synthesis of multifunctional lanthanide based hybrid nanomaterials for biological applications”, <i>Journal of Materials Chemistry</i>, 22 (2012) 3395. • M. Niraj Luwang, R. S. Ningthoujam, S. K. Srivastava, R. K. Vatsa, “Disappearance and recovery of luminescence in Bi³⁺, Eu³⁺ codoped YPO₄ nanoparticles due to presence of water molecules upto 800 °C”, <i>Journal of the American Chemical Society</i>, 133 (2011) 2998. • M. Niraj Luwang, R. S. Ningthoujam, S. K. Srivastava, R. K. Vatsa, “Preparation of white light emitting YVO₄:Ln³⁺ (Ln³⁺=Eu³⁺, Dy³⁺, Tm³⁺) nanoparticles by CTAB/n-butanol/ hexane/ water microemulsion route: Energy transfer and site symmetry studies”, <i>Journal of Materials Chemistry</i>, 21 (2011) 5326. • M. Niraj Luwang, R. S. Ningthoujam, Jagannath, S. K. Srivastava, R. K. Vatsa, “Effect of Ce³⁺ co-doping and annealing on phase transformation and luminescence of Eu³⁺ doped YPO₄ nanorods: D₂O solvent effect”, <i>Journal of the American Chemical Society</i>, 132 (2010) 2759.	