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Name	Dr. U. Rambabu	
Designation	Scientist E	
Educational qualification	M.Sc from S.V. University, Tirupati (A.P). M.Phil. from S.V. University, Tirupati (A.P). Ph.D. from S.V. University, Tirupati (A.P).	
Research area	High purity metals, Extraction of rare earths from Waste phosphors and Permanent magnets, RoHS testing, MOS grade acids and Solvents, Inorganic luminescent materials for Solid State Lighting and WLED applications, Phase Change ($\text{Ge}_2\text{Sb}_2\text{Te}_5$) optical discs, TbFeCo amorphous magnetic materials for memory storage applications	
Recognised Awards/Honors/Fellow	<ul style="list-style-type: none"> • Uppalapati Abjaiah award for securing first rank in Applied Spectroscopy in M.Sc. • Dr. M.R. Bhiday Award, Dept. of Physics, Univ. of Pune, 1998. • MRSI, Best Poster award for the year 2007 • MRSI, Best Poster ward for the year 2008 • Visiting Scientist Fellow, Nat'l Chiao-Tung University, Taiwan, 2002 • Boyscast Fellow sponsored by DST, 2011 • Brain pool Fellow sponsored by South Korea, 2011 	
Projects	<p>Ongoing:</p> <ol style="list-style-type: none"> 1. Centre of Excellence on E-waste Management (HD/SP/041) (Sponsored by MeitY, Outlay: Rs. 3580 lakhs DoS: 30.09.2019; DoC: 29.09.2024), Co-Investigator <p>Completed:</p> <ol style="list-style-type: none"> 1. Establishment of testing facilities for the hazardous substances as per European Union (EU) Directive of Restricting the use of hazardous substances (RoHS) (Sponsored by M.I.T, New Delhi), where the project outlay was Rs. 5.23 crores 2. Sustainability and up-gradation of Government owned Restriction of Hazardous Substances (RoHS) test Laboratory, Sponsored by Min. of Electronics and IT (MeitY), Min. of Communications and Information Technology (MCIT), Govt. of India duration Oct. 2012 to Oct. 2017, total outlay of the project is Rs. 379.92 lakhs 3. Process development for the recovery of rare earths from end of life CFLs and FLs, (Sponsored by DST, Outlay: Rs. 39.39 lakhs, DoS: 2.9.2016; DoC: 20.12.2019). 	

<p>Publications/Patents (Past 5 years)</p>	<ol style="list-style-type: none"> 1. Assessment of hazardous substances in electrical cables: Implementation of RoHS Regulations in India, U. Rambabu, V. Balaram, R. Ratheesh, S. Chatterjee, M. Kishore Babu and N. R. Munirathnam, ASTM J. of Testing and Evaluation, Vol. 46 (5) (2018) 1103-1110. 2. RoHS Regulation: Challenges in the measurement of substances of concern in Industrial products by different analytical techniques, V. Balaram, U. Rambabu, M. R. P. Reddy, N. R. Munirathnam and S. Chatterjee, MAPAN, 33 (2018) 329-346. 3. Estimation of cd, Pb and flame retardants in electric mosquito bat using EDXRF, ICP-OES, AAS and GC-MS, B. Divya, S. Harish, K. Ramaswamy, M. Kishore Babu, N. Munirathnam, R. Govindaiah, U. Rambabu, Int. J. of Env. Sci. & Tech., 14 (2017) 2603-2612. 4. A promising RVO₄: Eu³⁺, Li⁺ @ SiO₂ (R = Gd, Y and Gd/Y) red emitting phosphor with improved luminance (cd/m²) and color purity for optical display application, U. Rambabu, N. R. Munirathnam, B. Sudhakar Reddy, S. Chatterjee, Lum.: The J of Biological and Chemical Luminescence. 5. Emission analysis of RE³⁺ (RE = Eu, Sm, Dy): MgY₄Si₃O₁₃ Phosphors, B. S. Reddy, M. R. Kadukar, H.Y. Hwang, B.S. Ham, S. Sailaja, U. Rambabu, S. J. Doble, Y.D. Jha, Physica B: Condensed Matter, 463 (2015) 39-47. 6. Study of fluoride content in some commercial phosphate fertilizers, L.P, Ramteke, A. C. Sahayam, A. Ghosh, U. Rambabu, M. R. P. Reddy, K. M. Popat, B. Rebary, D. Kubavat, K. V. Marathe, P. K. Ghosh, J. Fluorine Chem., 210 (2018) 149-155. 7. Quantitative estimation of brominated compounds for RoHS present in computer key board (CKBS) switches using GCMS, K. Ramaswamy, B. Mahender, U. Rambabu, R. Govindaiah, N. R. Munirathnam, Russian J. of Analytical Chem. 71 (1) (2016) 136-142.
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