

Biodata

Name	Dr. Y. Purushotham 
Designation	Scientist E
Educational qualification	M.Sc. (Physics) from Kakatiya University, Warangal. Ph.D. (Physics) from Osmania University, Hyderabad.
Research area	Ultra high pure metals, Refractory metals, Microwave sintering
Recognised Awards/Honors/ Fellow	Fellow, Telangana Academy of Sciences Hon Treasurer, IIM Hyderabad Chapter (2018-20)
Projects	Ongoing: a) Recycling of Scrap Germanium to Ultra High Pure Germanium (HD/SP/037) (Sponsored by DRDO, outlay: Rs.122.0725 lakhs, DOS: 17.10.2016, DOC: 31.08.2020) - Principal Investigator Completed: b) Development of Ultra High Pure Zinc for Detector Applications (hd/sp/038) (Sponsored by BRNS; Outlay Rs.22.44 Lakhs, DOS: 05.12.2016; DOC: 04.12.2018) – Principal Investigator
Publications/Patents (Past 5 years)	<ul style="list-style-type: none"> • Patent entitled “Design and fabrication of novel, cost effective induction zone refining system for purification of scrap Germanium” submitted to ER&IPR, DRDO. • Following papers presented as invited lectures in different conferences. <ol style="list-style-type: none"> 1) “Ultra Purification of Metals” at Department of Physics, Osmania University, Hyderabad on 16.04.2019 2) “Materials Science and Applications” at JNTU Hyderabad on 31.05.2019 3) “Zinc purification” in “Metallurgy for Non Metallurgists: Industrial Practices” (MNM-2019) at Hyderabad on 12.07.2019 4) “Ultra purification of Zinc by vacuum distillation” in 5th National Conference on Applied Physics and Materials Science (APMS-2018), 7-8 September 2018, Hyderabad. 5) “Electronic Materials Processing” at RGUKT, Nuzvid on 14.11.2018 as part of National Metallurgist Day. 6) “Effect of distillation temperature on purification of Zinc” in Telangana State Science Congress 2018 (TSSC-2018), 22-24 December 2018, NIT Warangal.
Google scholar link	https://scholar.google.co.in/citations?user=fZpfjfMAAAAJ&hl=en