

RESUME

Palleti Vamshi Krishna

Flat No.211, Vaasavi Brundavanam-II, Road No.9, Mathuranagar Colony, Fathullaguda, Nagole, Hyderabad I
+91-8919443984 | vamshi121035@gmail.com, vamshi.palleti@gsi.gov.in

SUMMARY

- Detail Oriented Chemist with expertise in preparation and analysis of samples from various sources to provide information on elements or quantities of elements present, I contribute to the discovery and understanding of our planet's rich geological history.
- Expertise in analytical techniques and instrumentation such as X-ray fluorescence spectrometer (XRF), Inductively coupled plasma mass spectrometry (ICPMS), Graphite furnace atomic absorption spectroscopy (GF-AAS), Flame atomic absorption spectroscopy (F-AAS), Direct Mercury Analyzer (DMA) & Ion Selective Electrode (ISE) and spectroscopy (infrared and ultraviolet, amongst others), Precious group elements by Fire assay coupled with ICPMS technique to investigate elemental compositions for unraveling the earth's secrets through the lens of chemistry.
- Guest Faculty at NABET accredited Geological Survey of India Training Institute, Head Quarters, Hyderabad
- Proven ability to evaluate and ensure compliance with international standards, drive continuous improvement initiatives and provide valuable insights to enhance quality management systems. Empanelled Technical Assessor with NABL

HIGHLIGHTS

- Lab Maintenance Expert
- Quick enough to judge the sample preparatory methods
- XRF, ICPMS, FAAS & GFAAS are routinely used for the determination of metallic elements in geologic materials with a precision in the 1- to 10-percent relative standard deviation range
- interpret data and meet strict guidelines on documentation when recording data
- review and evaluate experiments and analyses
- present scientific results to relevant teams
- write reports and research papers
- work collaboratively with cross-functional teams
- keep up to date with the latest scientific and technical trends
- Validate methods and equipment.
- Proficient in ISO/IEC 17025:2017 standard and Ample working experience with the compliance and requirements of NABL

EXPERIENCE

Empanelled Technical Assessor
Technical Assessor at NABL, Quality Council of India

Oct 2023 to Current

- Rendering services as Technical Assessor in the domains of Metals & Alloys, Industrial Fine Chemicals, Soils & Rocks and Ores & Minerals
- Conducted assessments of testing laboratories for compliance with 17025: 2017 as per NABL accreditation requirements.

Chemist (Group-A, Gazetted) May 2012 to Current
 Chemist at Geological Survey of India, Southern Region, Hyderabad

- Analysis of Geological, environmental and water samples for Major, minor oxides, Traces, Rare Earth Elements & associated traces, Base metals, and Platinum Group elements.

Mentor in Chemistry

Mentor at Rajiv Gandhi University of Knowledge Technologies, Basar Nov 2008 to July 2011

- Faculty in Chemistry adopting the learning by doing paradigm for the integrated B.Tech residential degree

EDUCATION

- Master of Science in Chemistry 2007
University of Hyderabad, Hyderabad
- Bachelor of Science Education (M.P.C) 2004
Regional Institute of Education (NCERT)
University of Mysore
- AISSCE +2 (M.Bi.P.C) 2002
Jawahar Navodaya Vidyalaya
Central Board of Secondary Education, New Delhi
- AISSE 10th 1998
Jawahar Navodaya Vidyalaya
Central Board of Secondary Education, New Delhi

PUBLICATIONS

COMPARISON OF DETECTION LIMITS FOR PLATINUM - GROUP ELEMENTS (PGE'S) BY NICKEL SULFIDE FIRE-ASSAY AND THE CO-PRECIPITATION METHOD WITH ICP-MS USING 99.995% NI POWDER (<150 MESH), 99.995% NI GRANULES AND NICKEL CARBONATE

Krishna P Vamshi, Pandey, Ashish Kumar; Rao, B V D; Rajamani, N; Journal of Applied Geochemistry; Hyderabad Vol. 19, Iss. 2, (Apr 2017): 164-170.

(P Vamshi Krishna)