

Name : K.VISWAMOHAN
Date of Birth : 16-12-1952
Designation & Affiliation : RetiredScientific Officer-F; A.M.D / D.A.E.
Educational Qualifications :M.SC (Inorganic Chemistry),Advanced Diplomain Mineral Engineering
Professional Experience :37years

Professional Specialization

- ⇒ Recovery of uranium, from different types of ores by physical beneficiation and hydrometallurgical processing methods.
- ⇒ Flow sheet design and development for recovery and separation of individual heavy minerals from beach and riverine placer sands by physical beneficiation process.
- ⇒ Flow sheet development and field testing for recovery of Rare and Rare Earth Minerals from pegmatite and non-pegmatite ores.
- ⇒ Pure mineral separation for characterization studies.
- ⇒ Flow sheet development and beneficiation studies for recovery of strategic minerals like tungsten and tin.
- ⇒ Flow sheet development studies for recovery of valuable minerals from low-grade ores and plant tailing samples.
- ⇒ Studies for recovery of refractory uranium minerals like Brannerite, Betafite and Samarskite from different ores.
- ⇒ Recovery of Pyrochlore, Apatite from Carbonatite ores.

Major Achievements

- ⇒ Design and Testing of flow sheets for Recovery of Uranium from different types of Ores: Sehistose rocks of STB areas, Sand stone type Ores of Domiasiat, Meghalaya, Dolomitic lime stones of Tummalapalli, Andhra Pradesh, Uranium ores from Gogi and Deshnur areas of Karnataka, Granite Rock Ores of Lambapur, Peddagattu, Chitral from Andhra Pradesh and Rohil areas of Rajasthan.
- ⇒ Flow sheet development and field testing for recovery of Columbite-Tantalite and other valuable minerals from Pegmatites of Hazaribagh, Karnataka, Andhra Pradesh, Bastar – Malkangiri pegmatite belt and Pegmatites of Jharsuguda, Orissa.
- ⇒ Development and testing of flow sheet for recovery of Columbite from Granitic soils of Kanigiri area, Andhra Pradesh
- ⇒ Recovery of Xenotime mineral from Siri and Deo River sands by establishing Pilot plants
- ⇒ Flow sheet development for recovery of Xenotime mineral from soils of Kanyaluka area.
- ⇒ Laboratory studies for recovery of Scheelite from gold tailings of Hutti and Kolar
- ⇒ Flow sheet development and field testing for recovery of Wolframite from Degana
- ⇒ Flow sheet development and testing for Production of battery grade MnO₂ from manganese ore fines

- ⇒ Flowsheet development and testing for recovery of Pyrochlore, Magnetite and Apatite from Carbonatitic soils of Sung valley and Samchampi, areas.
- ⇒ Flow sheet development for Recovery of refractory Uranium minerals like Brannerite, Betafite etc.
- ⇒ Flow sheet design, development and testing for recovery of Heavy Minerals from Beach sands of different areas.
- ⇒ Pure Mineral Isolation and characterization studies from established beach sand deposits.
- ⇒ Pure Mineral Isolation studies from different rocks.
- ⇒ Recovery of potassium chloride from white cement plant waste.

Honours

Honours : National Mineral Award, 1996

Publications:

Total Number of Technical Articles Published : 65