

RESUME



Name: Dr. A.V.Subrahmanyam

Date of Birth: 01.06.1960

Qualifications: M.Sc. (Tech) Applied geology and PhD
Ph.D. topic - Genesis of Panchpatmali Bauxite
Deposit, Koraput dist., Orissa, India
Recognized by **Osmania and
Andhra Universities** as guide for PhD
two students pursuing PhDs
**One student is about to submit Doctoral thesis
on heavy minerals In AP coast**

Designation: Retired scientific officer F,
Atomic Minerals Directorate for exploration and
Research
Department of Atomic Energy
Hyderabad-16

Experience: **More than 25 yrs of experience in
multidisciplinary exploration and assessment
for uranium, thorium, Rare Earths and other
radioactive minerals and ferrous, non ferrous,
noble metals various geological environments
in India, Africa and South East Asia . Annexure 1**

Publications: Published more than 20 research papers in Indian journals of repute Annexure 2

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Achievements in private industry:

Proved more than 5 tons of gold in Ashanti region in Ghana, West Africa

Established a alluvial gold wash plant

Proved 8 million tons of coal in kalimanthan Provence Indonesia

Identified more than 2 million tons of iron ore in Sulawesi area, Indonesia

Identified heavy mineral areas in Sierraleone, Malawi

Identified anomalous gold zones in Sudan, Rwanda, Uganda, Tanzania and Burundi

Copper, cobalt in DRC Congo

Developed and implemented a concept **BOSME**

Back office support for Mineral Exploration

using GIS and remote sensing for various deposits

Skills : Functional expert, aware of corporate policies, procedures

People management, decision making ability, planning and organization, motivation and team building and training abilities

Business development

Assessment of opportunities in various countries

Liaison with governments and private companies in prospect countries, Technical due diligence

Selection of mineral properties

Guiding and Supervising JV arrangements

Budget preparation, with timelines and analyses of
Logistics and local conditions

Preparation of exploration lay out and strategies

Conceptual modeling of the deposit based on the
existing data, economic evaluation

Team building, guiding, and training to update their
skills to suite the deposits type

Organizing multidisciplinary groups for exploration
support

Planning and Coordination of exploration programme

Analyses and synthesis of exploration data, Reserve
estimation as per the national and international
standards

Organizing persons to prepare Bankable feasibility
reports as per JOARC and NI 43101

Annexure 1.

Exploration and evaluation of uranium and beach sand deposits in India

Joined Atomic Minerals Directorate in 1988 as Scientific officer after obtaining Ph. D degree in Geology from Andhra University

Ever since then, associated with multidisciplinary exploration for uranium in Northern and Northeastern India and all along the Indian coast for exploration and evaluation for heavy minerals in the beach and inland placer deposits.

During the tenure from 1988 to 1994 in Northern Region, my multidisciplinary exploration approach led to establish potential radioactive horizons in Lower - Middle Siwaliks transition zone along Barti, and Gumarwin areas for sandstone type uranium deposits in Bilaspur district, Himachal Pradesh.

Discovery of high grade radioactive zone at the contact of MCT and Berinag Formation, Chamoli district, U.P., and in Dhule quartzite, Doda District, J&K. Discovered molybdenum mineral and also suspected carbonatite in this setup.

Worked in Sonrai basin for phosphorite and unconformity type uranium deposits. During exploration discovered syenites and alkali granites in that area that had played a role in uranium mineralization

Characterized Bundhelkhand granite, the basement and its contact with Vindhyan in Sivapuri district of U.P. as a favourable target for uranium mineralization. The radioactive horizons identified in the migmatites of Lilasi and Kudri area, Sonbhadra district, UP were explored by drilling.

In North Easter Region, Shillong worked both in Petrology laboratory and field. This multi tasking work in both field and laboratory has brought to light for the first time the contribution of acid volcanics as a source of uranium apart from Mylleum granite to the Cretaceous Mahadek Formation, which hosts a sand stone type deposit. In the lab, studied many rock suites of NE region especially sampchampi carbonatites. Estimated the REE resources. Further, discovered Pyroclastics and a Dyke in the Mahadek Formation that led to rethink on the stratigraphy, depositional history of sand stone type uranium deposit and age of the Mahadek Formation of Meghalaya Plateau.

In 1999, posted in Beach sand and off shore investigation group, Hyderabad. I had worked all along South Andhra coast from Nellore to Visakhapatnam and instrumental in locating sizeable heavy mineral deposits along Pudumadaka, Visakhapatnam district, Amalapuram, Malikipuram, Narasapur and Avanigadda areas of Krishna Godavari basin, and worked for brief stint on Orissa Madras, Kerala, Karnataka and Maharashtra, Gujarat coasts.

My understanding and analyses of the areas lead to delineate heavy mineral deposit in Mudflat environment (Avanigadda) and palaeo strandlines for the first time in the K-G basin.

During the exploration for the heavy mineral beach placers, my scientific aptitude had led to the discoveries likes i) natural gas at shallow depths in Amalapuram coast, ii) Xenotime in the Narasapur coast and iii) micro-diamonds in the Avanigadda beach placers. iv) role of paleo channels, coastal tectonics in the distribution of heavy minerals in the KG basin These discoveries had created interest among the scientific communities like ONGC and GSI.

Annexure 2

LIST OF PUBLICATIONS

1. Incidence of molybdenite in the crystalline limestone of Berinag Formation Ghansali area, Tehri district, Uttarnchal, 2008, Jour.Geol.Soc.India, v. 7 **A.V.Subrahmanyam** and L.Siddhiram Reddy
2. Discovery of heavy mineral rich sand bodies in the Orissa Bengal coast through remote sensing technique, 2008, curr.Sci. v. p. K. Jagannadha Rao, A.V.Subrahmanyam, Abinav Kumar, A.K.Chaturvedi and T.SunilKumar
3. Discovery of micro- diamonds in beach placers of the east coast, Andhra Pradesh. **A.V.Subrahmanyam etal.** 2005, Current Science vol.88, 25, April, p.1227- 1228
4. Occurrence of Xenotime in the Narsapur beach Placers, West Godavari District. A.P **A.V.Subrahmanyam etal.** 2004, Current Science, Vol.87, 10, P. 1458 – 1461
5. Natural gas at Shallow depth in the placer sands of Amalapuram coast, East Godavari district, Andhra Pradesh – M. Nageswara Rao, T. Desapathi, **A.V.Subrahmanyam**, R.D.Deshmukh, G.Viswanadhan, R.M.Sinha 2004, Current Science, V. 87, 2, P. 144 - 146
6. A note on Petrography and Chemistry of Microgranular enclaves and granitoids around Talbehat, Lalitpur distict, Uttar Pradesh – **A.V.Subrahmanyam** and K.K Sinha, and A.K.Bagchi 2005, Jour.Geological Society of India, V.65P. 92 - 96

7. Depositional Environment and age of the Mahadek Formation of Wahblei River section, West Khasi Hills, Meghalaya -- S.N. Kak and **A.V.Subrahmanyam** 2002, Jour. Geological Society of India, vol. 60.pp.151 - 162
8. Discovery of Pyroclastics and a Dyke in the Mahadek Formation of Meghalaya Plateau
--**A.V.Subrahmanyam etal.** 2000, Current Science, V.78, 10 pp.1189-1190
9. Volcanic tuff in the Lower Mahadek Formation of Meghalaya Plateau: Implications on Uranium source – **A.V.Subrahmanyam etal.** 1997, JOAMS, v. 5 p.73- 79
10. Uranium mineralization in the Proterozoic migmatites of Kudri – Lilasi, Sonbhadra district, Uttar Pradesh Bikash Sengupta, A.K.Bhattacharya and **A.V.Subrahmanyam** 1998. JOAMS v.6, P.127-133
11. Occurrence of REE in Panchpatmali Bauxite Deposit and Red mud, Koraput District, Orissa. – **A.V.Subrahmanyam and Jagmer Singh** 1997 Jour. Geological Society of India .V. 50. PP.369- 372
12. Nodular Laterite from Panchpatmali Bauxite deposit, Koraput district Orissa, Evidence for Neotectonism from East Coast Bauxite Province- **A.V.Subrahmanyam etal.** 1996. IJES .v. 23, p.147 - 160A
13. Preliminary report on REE, U and Th in a borehole core from Panchpatmali Bauxite deposit, Orissa. – **A.V.Subrahmanyam and S. S. Gurna.** 1994, IM&EJ, no.10-11,
14. Nodular Laterite from Panchpatmali Koraput Disrict, Orissa – **A.V.Subrahmanyam etal.** 1992, The India Mining &Engineering Journal

