

Curriculum Vitae

Name: **Somnath Khaoash**, M.Sc., Ph.D.,

Designation: Reader , Deputy Controller of Examinations

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Subject: Geology som111@indiatimes.com
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Professional Experience

- **10 years** of experience as Lecturer in Geology at the Orissa School of Mining Engineering, Keonjhar, Orissa and also headed the Mineral Engineering Department.
- Working as Reader in Geology since 10.12.09 at Ravenshaw University, Cuttack
- Proven skills in Research and Development, and a sound knowledge in a plethora of Analytical Techniques
- Good communication, interpersonal and problem solving skills

Area (s) of specialization

- ✚ Characterisation of Ores, Minerals and Process Derivatives
- ✚ Mineral Engineering,
- ✚ Ore Geology
- ✚ Mining Geology, Mining Laws

Education

- Awarded Ph.D in Geology in the year 2000 from Utkal University, Bhubaneswar
- Passed M.Sc, Geology from Utkal University with first division in 1992 and securing third rank in the University
- Passed B.Sc from Sambalpur University in 1990 with first division and distinction and securing second rank in the University
- Passed + 2 Science with first Division in 1987 from CHSE, Orissa
- Passed ISCE examination with first division from ICSE, New Delhi in 1985

Publications

Publication Summary

Publications in referred Journals of national & international repute having ISSN No.	:10
Publication in the International Journal having impact factor	:06
Popular Articles Published	:02
Edited Book/ Proceedings Published	:01
Papers/ Extended Abstracts Published in proceedings/ Abstract Volume	:02
Papers/Abstracts Published in Proceedings/Souvenirs of International Conference	:02

Research Papers in Peer Reviewed Journals with ISSN Numbers

Khaoash, S., Mohanty, J.K., and Paul, A.K. (2001). Hogbomite from Fe-Ti-oxide deposit, Boula-Nausahi Igneous Complex, Orissa, India. *Acta Mineralogica Petrographica, Hungary*. Vol.XLI, pp.3-8.

Mohanty, J.K., **Khaoash, S.**, Singh, S.K., Sahoo, P.K., and Paul, A.K. (1999). Characterisation and Utilisation of Vanadium bearing titaniferous magnetite of Boula-Nausahi Igneous Complex, Orissa, India. *Scandinavian Journal of Metallurgy*, Vol.28 (6), pp. 254-259.

Mohanty, J.K., Rao, D.S., Paul, A.K. and **Khaoash. S.** (2009). Characterisation of high Magnesian rocks for suitability as flux in iron and steel industry, *Journal of Geology and Mining Research, S. Africa*, Vol. 1(7), pp. 149-155.

Khaoash, S., Mohanty, J.K., Das, B., and Paul, A.K. (2000). Characterisation and Beneficiation of Chromite Mine Overburden, Boula-Nausahi area, Orissa, India. *Metals, Minerals and Processes*, Vol.12, No.4, pp.355-360.

Paul, A.K., Patra, R.N., **Khaoash, S** and Mohanty, J.K (2000). Sulphide Mineralisation at Boula-Nausahi Igneous Complex, Orissa, India, *SGAT Bulletin*, Vol.2 No.1, pp. 57-64.

Khaoash, S., Mohanty, J.K., and Paul, A.K. (1998). Magnesium rocks as substitute flux in iron and steel industry. *Indian Minerals*, Vol. 52(1&2), pp. 53-56.

Khaoash, S., Mohanty, J.K., Das, B., and Paul, A.K. (1998). Mineralogical and Beneficiation characteristics of overburden material from chromite mines. *The Indian Mining and Engineering Journal*, Vol. 37 (8), pp. 15-18.

Mohanty, J.K., Paul, A.K. and **Khaoash, S.** (2002). Sulphide minerals associated with Chromiferous Ultramafic rocks of Boula-Nausahi Igneous Complex, Orissa. *Indian J. Geol.* 74(124), 175-185.

Khaoash, S., Mohanty, J.K., and Paul, A.K., (1997). Textural Characteristics of Hogbomite associated with Fe-Ti deposits of Boula-Nausahi Igneous Complex, Orissa. *Vistas in Geological Research*, Utkal University Spl. Publ. No.2, pp. 193-198.

Das, M., **Khaoash, S.**, and Paul, A.K., (1997). Alkaline Magmatism in the Eastern Ghats: Its Zigsaw fitting to the Circum East Antarctic Mobile Belt. *Vistas in Geological Research, Utkal University*, Spl. Publ. No. (2), pp.77-82.

Khaoash, S., Tripathy. J.K., Mishra, P. and Goswami, S. (2010) Deccan Traps as Receptacles of Terrestrial Carbon Dioxide. *Vistas in Geological Research, Utkal University, Spl. Publ. No. (9)* pp. 131-134.

Conference Presentations

Khaoash, S., Mohanty, J.K., and Paul, A.K.(2000). Polymetallic Deposits of the Boula-Nausahi Igneous Complex, Orissa, India. *International Geological Congress, Brazil*.

Mohanty, J.K., **Khaoash, S.**, and Paul, A.K. (2001). Utilisation of Fe-Ti-V Ore from Boula-Nausahi Igneous Complex, Orissa. *Sem. Procd. 'Utilisation of Mine Waste and Marginal Grade Ores/Minerals', SGAT Bulletin*, 15-16 Dec 2001, Bhubaneswar, pp.75-84.

Das, M., **Khaoash, S.**, and Paul, A.K. (1997). Clean Briquetting Technology- An approach to utilize inferior grade coal, Abstract Volume, *National Conference on Pollution Control and Management in Coal Mining and Thermal Power Plants*, Sambalpur University, Burla. pp.12.

Das, M., and **Khaoash, S.** (1997). Geological Education and Training in India: Problems and Prospects. *30th International Geological Congress, Beijing, China*, Vol.21-3-9 03380 2848.

Khaoash, S. (2005). Waste to Wealth- A study of Boula-Nausahi Igneous Complex (BNIC), Orissa.. *Sem. Procd. 'Role of Environment in Industry and Sustainable Development in the 21st Century'*, OSME National Seminar Volume, 29-30th Oct.'05, pp-45-48.

Khaoash, S., Mishra, P., Tripathy. J.K. and Goswami, S. (2010) Economics of Carbon Sequestration in Geologic Formations. *Sem Procd. on Sustainability of Earth Resources-Strategies and Management Plans.*, Sambalpur University pp. 48-49.

Conferences Organized

Co-Convenor and Organising Secretary of CSIR sponsored National Seminar on “Role of Environment in Industry and Sustainable Development in the 21st Century”, REISD- 05, Oct29-30, 2005

Research Projects, Evaluation Research, Consultancies (Recent ones)

Three years programme on Entrepreneurship and Management Development funded by AICTE, (MHRD)

Project Applied: Metallogenic Development of Manganese Ore in parts of Eastern Ghats Mobile Belt, Orissa, India

Funding Agency: Department of Science and Technology (Government of India)

Honours & Fellowships

- Awarded National Merit Scholarship during M.Sc
- Qualified UGC-NET-JRF
- Held 2nd and 3rd rank at the B.Sc and M.Sc level respectively

Membership in Professional Bodies

Life Member, Society for Geologists and Allied Technologists (SGAT).

Member, Indian Institute of Mineral Engineers