

## Curriculum Vitae

**Name** SHALIVAHAN  
**Date of Birth** 10<sup>th</sup> March, 71  
**Address** Department of Applied Geophysics  
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**Affiliation** Assistant Professor, Department of Applied Geophysics  
Indian School of Mines, Dhanbad

**Ph. D Topic** Nonlinear Inversion of Electrical and Magnetotelluric Data  
Using Very Fast Simulated Annealing

**Award** Associate, Indian Academy of Sciences in the field of  
Electrical, Magnetotelluric and Nonlinear Inversion

**Area of Research** Electrical and Magnetotelluric Methods and Nonlinear  
Inversion

**List of Publication  
Projects Handled** **Annexure I**

**Completed**

**Project Title** Rainwater harvesting study in Dhanbad Township areas in  
the drought prone Jharkhand state  
**Funding Agency** Ministry of Human Resource and Development  
**Capacity** Investigator  
**Lay out** Rs. 12.00 Lacs

**Project Title** Geophysical study to locate deep seated chromite at Nausahi  
Chromite Mining  
**Funding Agency** IMFA, Orissa  
**Capacity** Investigator  
**Lay out** Rs. 12,000.00

**Ongoing**

**Project Title** Sub surface cavity detection by inversion of geophysical data  
using global optimization technique  
**Funding Agency** Department of Science and Technology  
**Capacity** Investigator  
**Lay out** Rs. 12.96 Lacs

**Project Title** Gas Hydrates: Seismic Signatures through Anisotropic Velocity Analysis and Amplitude Variations with Offsets  
**Funding Agency** Department of Science and Technology  
**Capacity** Investigator  
**Lay out** Rs. 13.00 Lacs

**Project Title** Ultra high period magnetotelluric for deep mantle investigation and integration of the theoretical under pinning of geo-electromagnetic  
**Funding Agency** University Grants Commission  
**Capacity** Deputy Coordinator  
**Lay out** Rs. 57.68 Lacs

**Project Title** Use of Optimal Basis Functions for Modeling and Inversion of Full Waveform Seismic Data  
**Funding Agency** Department of Science and Technology  
**Capacity** Investigator  
**Lay out** Rs. 19.08 Lacs

**Groundwater Consultancy**

**Project Title** Geophysical investigation for ground water hydrology  
**Funding Agency** M/s Castron Technologies Limited, PO Nag Nagar, Dhaiya, Dhanbad, Jharkhand 826 004  
**Capacity** Principal Investigator  
**Lay out** Rs.56000.00

**Mineral Exploration Consultancy**

**Project Title** Geophysical Study to locate deep seated chromite bodies at Mahagiri Chromite Mines  
**Funding Agency** (Indian Metals and Ferro Alloys Ltd. IMFA Building, Chorda Chawek, Jajpur Road, 755019, Orissa).  
**Capacity** Investigator  
**Lay out** Rs. 55000.00

## Educational Qualifications

### 1. Basic Qualifications

Exam Passed	Board /Univ.	Year of Passing	Class /	Subjects
B.Sc. (Hons.)	Benaras Hindu University (BHU), India	1990	Ist	Physics (Hons.), Chemistry, Maths, English
M.Sc. Tech	BHU	1993	Ist	Geophysics
M.Tech	Indian School of Mines (ISM), India	1995	Ist	Mining Geophysics

### 2. National Level Exams Qualified

EXAM	YEAR
GATE'93 and GATE'94	1993 & 1994
CSIR-UGC-Lecturership (NET)	Eligibility Test December'1993

### Fellowships

- 1) Coal India Fellowship (1985-1991)
- 2) UGC SCHOLARSHIP for the session (1992-93)
- 3) M.Tech Fellowship (1993-1994)
- 4) Junior Research Fellow (1995-1997)
- 5) Senior Research Fellow since 01.03.97
- 6) BOYSCAST (DST, Government of India. Was recommended but could not avail)

### National Level Courses Attended

- Three
- i) SERC School on "Electromagnetic Induction in the Earth - Recent Advances (EM-II)" (Sponsored by Department of Science and Technology (DST), Govt. of India, New Delhi).
  - ii) SERC School on " Seismology & Earthquake Processes" (Sponsored by DST, Govt. of India, New Delhi).
  - iii) Part 2 & Part 3 of the Inter-Union Continental / International Lithosphere Program Task Group-IV

