

Detailed Bio-Data of Mr. Mahesh Devidas Phalke

Name: Phalke Mahesh Devidas
Designation: Assistant Professor
Department: Department of Geology & Geoinformatics
Institution: Shri Shivaji College of Arts, Commerce and Science, Akola.
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Date of birth: 5th July 1993



Educational qualifications:

Degree	Institution	Field(s)	Year	Division/Rank
S.S.C.	Navin Madhyamik Vidyalaya Georai.	General	2009	Second (56%)
H.S.C.	R.B. Attal College Georai.	MATHS, CHEM, PHY, COMP. SCI.	2011	Second (69%)
B.Sc.	Dr,B.A.M.University, Aurangabad.	Geology , Physics & Maths	2014	First (80%)
M.Sc.	Osmania University, Hyderabad.	Geology	2016	First Rank (84%) with Distinction
SET	Pune University	Geology	2018	-----
Ph.D.(Registered)	S.G.B.A.University Amravati	Geology	2020	On Going

Research/training/teaching and administrative experience:

Duration	Institution	Designation	Nature of work done
16/05/2017 to 31/07/2018	CSIR-NGRI, Hyderabad	Project Assistant Level-II	Mainly Fieldwork in all parts of the country as per the project requirements.
24/09/2018 to 20/09/2019	CSIR-NGRI, Hyderabad	Project Assistant Level-II	Work assigned as per the project requirements.
23/09/2019 to Till date	Shri Shivaji Science College Akola	Assistant Professor	Teaching to U.G. Students
02/01/2019 to Till date	S.G.B.A. University	Research Scholer	Research work related to Ph.D

Project Title: Use of Geophysical techniques such as Ground Penetrating Radar (GPR), Multi-Channel Analysis of Shear Waves (MASW), and Refraction Survey to identify active Faults, Stiffness of the ground and Exploration of Ground Water.

Research Specialization: Hydrogeology and Geophysics.

Awards/prizes/certificates/Seminars/Conferences etc. won:

- (a) Awarded by **Maharashtra State Award in 2007.**
- (b) Completed a certificate course of Maharashtra State Certificate Course in Information & Technology **(MS-CIT) in 2009.**
- (c) Awarded by **Central Sector Scholarship** for the merit in 2011.
- (d) Completed a Certificate course in **GEMOLOGY** under the career oriented programme of the U.G.C. in 2011-2012 implemented by Deogiri College Aurangabad.
- (d) Attended one day workshop on **“Jalvyavsthapan Va Bhartatil Nadyajod Prakalp”** in Deogiri College Aurangabad in 2012.
- (e) Completed a certificate course of Government Commercial Certificate Examination in the Year 2014 of **English type writing with the speed of 30words/minute.**
- (f) Attended One day International Conference on **“Role of Earth Science in Modern Time”** in 2015.
- (g) Successfully completed a **field training at Chitradurga Field Training Center** Under the **guidance of Senior Geologist of Geological Survey of India** in 2015.
- (h) Attended a National Seminar on **“Emerging Trends in Geosciences”** in 2015 organized by P.G. Department of Geology, Osmania University Hyderabad.
- (i) Successfully attended a Hutton India Conference 2016 on the Origins of Granites of India & **“Present is Key to the Past”** evidences from Indian Geological formations.
- (j) Completed 2 Months **AMD-Atomic Minerals Directorate studentship programme** on **“Geological cum radiometric Mapping and Borehole Core logging around Mathampalle-Mellacheruvu, Nalgonda district Telangana** in 2016.
- (k) Successfully carried out **GPR Survey to detect fault and Trenching survey in Chutka village, Mandla District Madhya Pradesh for Nuclear Power Plant by NPCL** in 2017.
- (l) Successfully completed **12+ Months work in CSIR-National Geophysical Research Institute Hyderabad** as Project Assistant level-II Under the project of **MLP-6403-28(FTT/DSN)** from 16/05/2017 to 31/07/2018.
- (m) Successfully qualified the **State Eligibility Test (SET)** Examination conducted by Savitribai Phule University of Pune former Pune University in 2018.
- (n) Successfully participated in one day online workshop titled **“Satellite data access from online data repositories and ISRO Bhuvan geoportal”** conducted by this institute on 2019.
- (o) Awarded certificate on having completed the online course on **“Principles of Polarimetric SAR Remote Sensing and its Processing”** was conducted by Indian institute of Remote Sensing (IIRS) in 2019.
- (p) Successfully completed the online course on **“Hyperspectral Remote Sensing and its Applications”** Conducted by Indian institute of Remote Sensing (IIRS) in 2019.
- (q) Successfully completed **Fieldwork of Subsurface charecterisatiion of Faults** with the help of geophysical technique in areas of Dehradun, Ramnagar and Uttarakhand in 2018.
- (r) Successfully done the work in **Jaintia Hills, Meghalaya to conduct the geophysical studies in lumthari (Meghalaya) Mine Site as one of the Rescue member** from NGRI in 2018.
- (s) Successfully Completed work of **Ground Stiffness measurements with the help of Multi-Channel Analysis of Shear Waves (MASW) in an around of Dehradun Uttarakhand** in 2018.
- (t) Successfully participated in **Geophysical Field Work (MASW) for Relience Gas Pipelines Project near Hajira Port Surat** in 2018.
- (u) Successfully carried out **MASW and Refraction Survey** along a no. of profiles to detect active fault or Fracture in parts of Uttarakhand such as Dehradun, Ramnagar etc in 2019.
- (v) Successfully completed **the 12 months Project work In CSIR- National Geophysical Research Institute Hyderabad as Project Assistant level-II** Under the project titled **“Safety and Security of Vital Installations” Project no. HCP0017 (DSN)** from 24/09/2018 to 20/09/2019.
- (w) Successfully attended a national conference on **“Recent advances in Physical and Mathematical Sciences”** organized by Shri Shivaji Arts, Commerce and Science Akola on January 18th 2020.
- (x) Successfully completed a **field work on Veldurti-Kalva-Gani (VKG) fault; Eastern Dharwar Craton (EDC); Cuddapah basin** with the help of MASW and aeromagnetic Survey in 2019.

TECHNICAL SKILLS:

- English type writing with 30 words/minute speed.
- ArcGIS software
- RADAN 7 software
- Ground Penetrating Radar (GPR)
- MASW (Multi Channel Analysis of Shear Waves) and Refraction Survey
- GPS
- Brunton