

CURRICULUM VITAE

HIJAS HAMEED K.N.

**Guest Faculty, Applied Geology,
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ACADEMIC PROFILE

Examination	University	Institute	Year	CPI / %
Post-Graduation	Indian Institute of Technology Bombay	Indian Institute of Technology Bombay	2022	83.2
Post-Graduation Specialization: M.Sc. Applied Geology				
Graduation	Mahatma Gandhi University, Kottayam	Government College Kottayam	2019	82.8
Graduation Specialization: B.Sc. Geology				
Intermediate	Kerala Board of Higher Secondary Examinations	M D Seminary H S S Kottayam	2016	96.0
Matriculation	Kerala Board of Public Examinations	Sree Vidyadhi Raja H S Kottayam	2014	95.0

SCHOLASTIC ACHIEVEMENTS

- Secured **AIR 40** in Joint Admission for M.Sc. Examination (**JAM**) for Geology. [2020]
- Acquired **A Grade** in B.Sc. Geology, MG University, Kerala [2019]
- Awarded **Higher Education Scholarship** under The Kerala State Higher Education Council [2016]

SOFTWARE SKILLS

MS Office | QGIS | ArcGIS | ArcPy | Python | Fortran

MAJOR GEOLOGICAL FIELD WORKS

- [2018]
- **State: Gujarat**
Districts: Vadodara, Kutch
Guides: Sri. Sanoop Salam & Smt. Indu G K, Govt. College Kottayam
Duration: 14 days
Major topics: Metamorphic Petrology, Sedimentology, Structural Geology
 - **Vadodara:** Metamorphic foliations and lineations were observed and their attitudes were calculated. Exposures of Godhra granite, showing porphyritic texture, were seen. Tor weathering in granites and elephant skin weathering in calc-silicate rocks were observed. S_0 , S_1 foliations, micro folds were observed. Dolerite dyke swam in basalt, Lamprophyre dykes in carbonatite and their crosscutting relations were analysed. Exposures of Deccan flows were observed in Pavagadh Hill.
 - **Kutch:** Folds, faults, fossilized beds, wave patterns, beddings, load casts were seen. Synsedimentary deformation structures, hummocky cross stratification, horst & grabens, bioturbation were found in Tapkeshwary Hill.

➤ **State: Tamilnadu**
**Districts: Erode, Namakkal,
Ramanathapuram, Vellore, Tiruchi**

[2017]

**Guides: Sri. Dilipkumar P G & Sri.
Praveen Kurian Thomas, Govt.
College Kottayam**

Duration: 8 days

**Major topics: Igneous Petrology,
Economic Geology, Mineralogy**

- **Sivanmalai:** Visited Proterozoic silica under-saturated nepheline syenite complexes and samples were collected. Field technics like forward and backward bearing were studied.
- **Rameswaram:** Coral samples were collected. Marine depositional landforms in Dhanushkodi were seen.
- **Sittampundi Anorthosite Complex (SAC):** Samples of anorthosite, retrogressed eclogite and azurite-malachite bearing rock were collected. Samples of chromite and ruby are collected from Karungalpatti location.
- **Sevattur carbonatite complex:** Vermiculite, a non-metallic versatile mineral, was seen from TAMIN mine. Vermiculite & magnetite samples were collected.
- **Kanjamalai:** Deposits of BMQ, magnesite, ultramafic rocks are observed.

➤ **State: Karnataka**
Districts: Hassan, Belagavi
**Guide: Sri. Anish A U, Govt. College
Kottayam**
Duration: 8 days
**Major topics: Geomorphology,
Mineralogy, Igneous Petrology**

[2016]

- **Holenarasipura:** Visited Holenarasipura schist belt of Dharwar craton and studied regional orogenic metamorphism as evidenced by different index minerals. Samples of chlorite, magnesite, asbestos, amphibolite, kyanite, magnetite were collected.
- **Tagadur Chromite mine:** Chromite bands having 1- 5 meters width had seen within the serpentinite rock. Magmatic processes resulted in this deposition were discussed.
- **Gokak Falls:** Stages of river development, geomorphological features, erosional features like potholes, cracksetc. were discussed.
- **Habbanhatti:** Spheroidal weathering, red bole layers, folded sst etc were observed. Samples of quartz varieties like opal, agate, chalcedony were collected. Pisolitic bauxite conglomerate were also collected from a nearby riverbed.

MASTER'S THESIS

Topic: **Physical Volcanology and Volcanic Textures of the Silicic Rocks at the Alech Hills, North-Western Deccan Traps, Saurashtra**

Guided by **Dr. Hetu .C. Sheth**, Institute Chair Professor, Department of Earth Sciences, Indian Institute of Technology Bombay

INDUSTRIAL TRAINING

Indian Institute of Remote Sensing, Dehradun

- Overview of remote sensing techniques for Earth and Planetary studies
- Microwave and Thermal Data Analysis for Geological Studies
- Landslide hazard zonation and risk analysis

Duration: 14 days, July 2021

EXTRA CURRICULAR ACTIVITIES

- **CULTURAL**
 - Secured **A grade** in Vattappattu (Boys) in Kerala School Kalolsavam [2015-16]
 - Secured **A grade** in Vattappattu (Boys) in Kerala School Kalolsavam [2014-15]
 - Secured **A grade** in Social Science Fair Still Model in State Level [2014]
- **SOCIAL**
 - Volunteered for **National Service Scheme** [2016-2018]