



**Arya Vidyapeeth College (Autonomous)**  
আর্য্য বিদ্যাপীঠ মহাবিদ্যালয় (স্বায়ত্তশাসিত)



### Personal profile

**Name of the Faculty: Dr. Dicton Saikia**

**Designation: Assistant Professor**

**Personal**      **Date of Birth:** 28-02-1991  
**Information:**      **Gender:** Male  
                         **Nationality:** Indian



### Address for correspondence:

Department of Geology

Arya Vidyapeeth College (Autonomous)  
Arya Nagar, Guwahati- 781016  
Kamrup (M), Assam, India

### Permanent Address:

S.O. Mr Indrajit Saikia,  
Chowkhamting, Sissiborgaon-  
787110, Dhemaji, Assam,  
India

E-mail ID: dicton.saikia@avcollege.ac.in

Contact No.: 7002147746

Date of joining in the present service: 28-11-2020 (Forenoon)

**Academic**      **MSc, NET, Ph.D.**  
**Qualification**

**Teaching**      **In UG level: 4 years 9 months**  
**Experience**      **In PG level: Nil**

Academic distinction      i) M.Sc. in Geology from Gauhati University, Guwahati– 14, Assam in the year 2013.  
ii) B.Sc. in Geology from Pragjyotish College under Gauhati University in the year 2011 securing the 8<sup>th</sup> position in the university.

Date of obtaining / PhD Degree: Awarded Ph.D. degree on 31<sup>st</sup> May 2019,

Name of Institute: IISER Bhopal, Bhopal– 462 066, India

**Title of the Ph.D. thesis:**

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“NEOPROTEROZOIC TECTONISM AT THE EASTERN GHATS BELT-BASTAR CRATON INTERFACE, EASTERN INDIA: CONSTRAINTS FROM GEOCHEMICAL, METAMORPHIC AND GEOCHRONOLOGICAL INVESTIGATIONS”

Length of research experience: 4 Years 5 months

Specialization (Area of interest): Monazite Geochronology, Metamorphic petrology, Phase equilibrium P-T Pseudosection modeling, Mineral chemistry.

**No. of research papers published (Scopus Indexed): 04**

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**Publications :**

i.) **Dicton Saikia**, Pritam Nasipuri, Abhijit Bhattacharya (2018) In situ U-Th-Pb<sub>total</sub> dating of polychromous monazite in the Koraput anorthosite pluton, Eastern Ghats Granulite Belt (India), and implications. **Geological Magazine**, 155, 209-228. (*Cambridge university press*) **Impact Factor: 2.0**

ii.) **Dicton Saikia & Pritam Nasipuri** (2024) Magmatic and Geochemical studies of Early Neoproterozoic Koraput Anorthosite Massif, Eastern Ghats Mobile Belt and their implications for Rodinia assembly. *Journal of the Geological Society of India Jour. Geol. Soc. India* 100 (2): 203–217 (**GeoScienceWorld**). (*Corresponding Author*). **Impact Factor: 1.4**

iii.) **Dicton Saikia** (2024) Preservation of Paleoproterozoic metasedimentary rocks from the eastern margin of the Bastar Craton, India, and their geodynamic implications  
Published: 04 September 2024; Volume 113, pages 1737–1758 (*Sole Author*).  
[International Journal of Earth Sciences \(Springer Nature\)](#)  
*GR Geologische Rundschau* **Impact Factor: 2.1**

iv.) **Dicton Saikia (2025)**. Post-magmatic Metamorphic Evolution of the Koraput Anorthosite Pluton, Eastern Ghats Granulite Belt, India: Tectonic Implications. *Jour. Geol. Soc. India (GeoScienceWorld)* 101 (7): 1027–1038. (*Sole Author*). **Impact Factor: 1.4**

#### **International Conferences:**

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- i. **Saikia, D.**, Nasipuri, P., Bhattacharya, A. Frist Report of Paleoproterozoic HP/LT Metamorphism from Bastar Craton, India. **Goldschmidt 13-18 August 2017, Paris, France.**
- ii. **Dicton Saikia.** Growth of coronal garnet in Koraput Anorthosite Pluton, Eastern Ghats Belt (Domain 2), India, and implications for Gondwanaland assembly. Goldschmidt Conference, **Hawaii, USA, 2022 July 10 – July 15**
- iii. **Dicton Saikia;** Manoj Ozha; Ravi Shankar. Metamorphic Evolution of Rare Garnet-Al-Silicates (Kyanite-Sillimanite-Andalusite)-Staurolite ± graphite bearing Anatectic Metapelites from Eastern Himalayan Syntaxis, NE India. 2024-03-11 | Conference abstract, DOI: [10.5194/egusphere-egu24-20042](https://doi.org/10.5194/egusphere-egu24-20042) **EGU, Vienna, Austria | 14–19 April 2024**

#### **National Conferences:**

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- i. **Saikia, D.**, Nasipuri, P. In situ dating of Monazite from Koraput Anorthosite Complex and geodynamic implications. 2nd National Geo-Research Scholars Meet , May 2017 at WIHG, Dehradun. (ORAL presentation)

#### **Project completed:**

i.)Tectono-metamorphic evolution of Western part of Lohit plutonic complex (WLPC), North-eastern Himalaya, Geodynamic implications.

Source : Institute Research Grant - IRG 2023 (minor project)

Year of Project Sanctioned : 2023

Duration (Months) : 18

#### **Corporate /Social responsibility:**

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- Member of the Construction committee of Arya Vidyapeeth College w.e.f. 01/01/2021
- Teacher in charge (Major Games) for AVCSU 2021-2022
- Teacher in charge (Major Games) for AVCSU 2022-2023
- Member of the Cricket Club of Arya Vidyapeeth College
- Member of Arya Vidyapeeth College (autonomous) Admission Committee for Commerce, 2022.
- Member of Book fair (publicity and advertising committee) 2022- 23.
- Member of Arya Vidyapeeth College (autonomous)Admission Committee for Science (including form verification and admission process), 2023.
- Member of Arya Vidyapeeth College (autonomous) Admission Committee (including form verification and admission process), 2024.
- Member of Arya Vidyapeeth College (autonomous) Admission Committee (including form verification and admission process) for Science, 2025.
- Member of Disaster management Arya Vidyapeeth College (autonomous), 2024.

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**Professional developments:**

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1. Convener in International Virtual Workshop on “Recent Developments in Earth Sciences” Organized By: Department of Geology, Arya Vidyapeeth College, Guwahati-16, Assam, 1<sup>st</sup> -8<sup>th</sup> November 2021

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**Technical Skills:**

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Prepared and analyzed samples in the following instruments:

1. Electron Probe Micro Analyzer (EPMA)
2. Inductively Coupled Plasma Mass Spectrometer (IC-PMS)
3. X-Ray Florescence Spectrometer (XRF)

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**Linkage with other institutions:**

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- i. IISER Bhopal, Assam University, Gauhati University, West Bengal, NIT Durgapur-West Bengal,

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**Award received from Govt./reputed National Society**

- i. Young Scientist- 2018 award, awarded by Geological Survey of India, Govt, of India.