



OVERVIEW

Evolution is essential to our curriculum and to scientific literacy. Imagine teaching social science without teaching history; students would lack perspective on events going on today. Similarly, to understand the big picture of evolution, students need to understand life on Earth in terms of its history and its future — the changing life forms and ecosystems that have arisen and changed over billions of years, as well as the mechanisms that have brought about those changes.

What is a Mass Extinction and why scientists think human beings may be responsible for the next one? What do we know about the past extinctions, including their likely causes? This course will allow to the students to learn about mass extinctions, map extinction events to a geologic timeline, and explore current ideas about whether human influences may lead to another major extinction event. Numerous examples will be also taken from India (e.g. Cretaceous-Tertiary Mass Extinction and Deccan Volcanism)

This course explores the origin of life, the 5 past mass extinction events and the possibility of an ongoing 6th mass extinction. It incorporates PowerPoint presentations, reading materials from selected papers and various assignments.



Deccan Traps, Mahalabeshwar

OBJECTIVES

- 1) Exposing the participants to the fundamentals of life history, evolution and mass extinctions
- 2) Examining the ancient past mass extinction events to better understand how global warming will lead to mass extinctions.
- 3) Enhancing the capacity of the participants to understand environmental problems using the lessons from the Past.
- 4) Enhancing the capability of the participants to read, understand, summarize and present scientific papers

Faculty :



Thierry Adate is Professor and Head of the Geochemistry, Mineralogy and Sedimentary laboratory at the Geological Institute of the University of Lausanne, Switzerland.

He received his Ph.D. in Mineralogy and Sedimentary Geology from the University of Neuchâtel, Switzerland.

His research interests focus on global Change associated with Mass Extinction events, high-resolution bio-chemo and sequence stratigraphy.

Module	<p>History of Life and Mass Extinction Events:</p> <p>14th–18th October 2019</p> <p>Number of participants for the course will be limited to fifty.</p>
You Should Attend If...	<ul style="list-style-type: none"> • you are a post graduate student/ faculty or research scientist of Life Sciences / Earth Sciences/ Engineering/ Social Sciences wants to know about the fundamentals history of life, evolution and how global warming leads to Mass Extinction events with environmental consequences • you are interested in understanding life on Earth in terms of its history and its future — the changing life forms and ecosystems that have arisen and changed over billions of years, as well as the mechanisms that have brought about those changes • you are a student or faculty from academic institution interested to learn about Mass Extinctions, Mass Extinction events to a geologic timeline and explore current ideas about whether human influences may lead to another major extinction event.
Fees	<p>The participation fees for taking the course is as follows:</p> <p>Participants from abroad: US \$125</p> <p>Industry / Research Organizations: Rs. 3000</p> <p>Academic Institutions:</p> <p>Faculty: Rs. 2000</p> <p>Research Scholars: Rs. 1500</p> <p>UG/PG Students: Rs 1000</p> <p>The above fee includes all instructional materials, computer use for tutorials and assignments, 24 hr free internet facility. The participants will be provided with accommodation on payment basis.</p> <p><i>Please Register yourself to GIAN Portal also</i></p> <p>http://www.gian.iitkgp.ac.in/GREGN/index</p> <p><i>. Registration to the portal is one time affair and will be valid for lifetime of GIAN. Once registered in the portal, an applicant will be able to apply for any number of GIAN courses as and when necessary. One time Non-refundable fee of Rs. 500/- is to be charged for this service. Please also note that mere registration to the portal will not ensure participation in the courses. The course coordinator has the final say on the selection of participants. Please do not confuse with web registration with course registration. The course registration fee is separate.</i></p>

Course Co-ordinator

Dr. S.F.R.Khadri

**Professor & Head,
Department of Geology
Sant Gadge Baba Amravati
University, Amravati-444602 (MS)
Email: khadrisfr@rediffmail.com
M: +91 9423425393 / 8329054661**



Dr. S.F.R.Khadri is the Professor and Head, Department of Geology, Director, IQAC, Sant Gadge Baba Amravati University, Amravati. He received his Ph.D. from IIT, Mumbai. His research interests include Igneous Petrology, Flow Stratigraphy, Geochemistry, Petrogenesis, Hydrogeology, Remote Sensing and GIS, Paleomagnetism, Environmental Sciences, CT Boundary & Mass Extinctions.

Sant Gadge Baba Amravati University, Amravati (Maharashtra)
(NAAC Reaccredited 'A' Grade University)

Department of Geology
GIAN Short Term Course on
History of Life and Mass Extinction Events
October 14-18, 2019
Registration Form

Name (in block letters):

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Qualification:

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Designation:

UG/PG Student/Research Scholar/Faculty/Scientist

Organization:

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Mailing address:

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Mobile :

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Fax :

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Email :

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Payment: Rs:

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(i) Demand draft drawn in favour of 'The Finance and Accounts Officer, SGBAU Amravati,
If payment is by DD, please furnish the following details:

DD No.: _____ Dt: _____

(ii) Cash Payment on Finance Section, Sant Gadge Baba Amravati University, Amravati

Receipt No. : _____ Dt: _____

Guest House/Hostel stay needed (will be arranged as per availability on a payment basis):
Yes/No

Signature of Applicant :

Date:

All completed registration forms may kindly be mailed to:

Dr. S.F.R.Khadri

Professor and Head, Department of Geology,

Course Coordinator

Sant Gadge Baba Amravati University, Amravati 444602

E. mail. khadrisfr@rediffmail.com Phone: +91 9423425393 / 8329054661