



## INTERNATIONAL CERTIFICATE COURSE IN GIS/RS APPLICATIONS FOR LANDSCAPE ECOLOGY

Ashoka Trust for Research in Ecology and the Environment (ATREE), Bangalore ([www.atree.org](http://www.atree.org)) is one of 14 International IDRISI Resource Centres set up by Clark Labs, USA. ATREE is pleased to announce that it is offering a comprehensive certificate course in Geographic Information Systems (GIS) and Remote Sensing (RS) for landscape ecology applications. This intensive course will provide participants with an opportunity to learn the principles of landscape ecology and its application to areas such as conservation biology. It will also provide rigorous, individualized hands-on training in GIS/RS techniques using state-of-the-art software.

A set of 16–18 lectures will complement several practical exercises using IDRISI Kilimanjaro and CartaLinx ([www.clarklabs.org](http://www.clarklabs.org)) in order to expose participants to concepts and techniques of landscape ecology and management of biodiversity. A short field assignment based in the Western Ghats is designed to maximize the student's exposure to applications of landscape ecology in the field. Topics to be discussed will include: *Basics of GIS/RS data structure and analysis, Cartographic principles, Sampling and geo-statistics, Digital Image Processing, Basic principles of remote sensing, Principles of landscape ecology, Concepts of biogeography, Vegetation mapping, Measurement of biodiversity within landscape, Spatial analysis and modelling of the distribution of biodiversity, Applications in conservation planning and prioritization, and Socio-economic drivers of landscape change.* The faculty for this course are experienced and eminent researchers and scientists from Indian and foreign institutions.

**Eligibility:** The course is intended for early to mid-career professionals and students with a keen interest in biodiversity conservation, natural resource management and GIS/RS applications in these fields. Candidates should preferably have exposure to quantitative methods and scientific principles. Number of participants will be a maximum of 20.

**Dates:** The 14-day course is scheduled for the first two weeks of August 2004.

**Application process:** An application from the participant should contain: 1. A one-page justification by the candidate of why this course is important to him or her. 2. Demonstrated aptitude or interest in the area of natural resource conservation and management-projects, published articles, essays, other relevant activities and professional membership. 3. Recommendation by the Department Head or concerned supervisor. Only selected candidates will be informed by e-mail.

A fee of USD 1000 will be charged for international participants and INR 20,000 will be charged for Indian and South Asian participants. Two fellowships are available for deserving candidates with demonstrated need. The selected candidates will have to deposit the course fee in advance through demand draft by **30th June**. The fees will include boarding, lodging and course material. Accommodation will be provided on twin sharing basis. Separate provision for lady candidates will be made. Travel expenses to and from Bangalore will have to be borne by the participants.

Kindly send your application by email with subject line indicated as "atreelandscape" to Arundhati Das ([adas@atree.org](mailto:adas@atree.org)) or fax or post it before **15 May 2004**

To **Ashoka Trust for Research in Ecology and the Environment (ATREE), No. 659, 5 th A Main, Hebbal, Bangalore 560 024, India.**  
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Further details about syllabus and course structure will be posted on our website ([www.atree.org](http://www.atree.org)) after 17 March 2004. Potential candidates are welcome to address their queries to [info@atree.org](mailto:info@atree.org) with subject line: "atreelandscape".

## MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES MANIPAL ACADEMY OF HIGHER EDUCATION [A Deemed University]

N0: 2003/37/26/BRNS/2014

Date: 27 February 2004

Applications are invited for the post of [a] JRFone position and [b] SRF – one position, in the DAE funded project titled "*Radioprotection by the Whole Plant Extract of *Coronopus didymus* Linn: Chemical, Biochemical and in vivo Studies*", to be carried out in collaboration with Bhabha Atomic Research Centre, Trombay, under Dr M. K. Unnikrishnan [Principal Investigator], Department of Pharmacology, Manipal College of Pharmaceutical Sciences, Manipal and Dr K. Indra Priyadarshini [Principal Collaborator], Radiation Chem and Chem Dynamics Division, BARC.

Eligibility criterion and salaries according to DAE norms:

- [1] JRF: B. Pharm./M.Sc.: Rs 8000 + HRA as admissible.
- [2] SRF: M. Pharm./M.Sc.: Rs 9500 + HRA as admissible.

We are looking for self-driven students with an enquiring mind, independent thinking, appropriate research background and good communication skills.

Applications on plain paper, along with an updated curriculum vitae, should reach the principal investigator on or before 1 April 2004. There is no provision to pay TA/DA to candidates called for interview.

Sd/-  
Principal Investigator