



Science Academies' Refresher Course in 'Organization, Complexity and Evolution of Living Systems' 1–14 February 2022

Sponsored by
Indian Academy of Sciences, Bengaluru
Indian National Science Academy, New Delhi
The National Academy of Sciences, India, Prayagraj

Organized by
Department of Biotechnology
Government Degree & PG College (Men), Srikakulam, Andhra Pradesh

A Refresher Course on '**Organization, Complexity and Evolution of Living Systems**' (OCELS-2022), sponsored by the Science Academies is scheduled to be organized at the Government Degree & PG College (Men), Srikakulam from 1 to 14 February 2022.

The Refresher Course (RC) aims at offering a series of lectures and hands on training classes by experts in diverse themes related to the **Organization, Complexity and Evolution of Living Systems** (OCELS-2022). The course is specially designed to update the graduate students and the teachers, on the contents and topics of the biology syllabus prescribed by the UGC.

The themes planned to be covered in the RC include: (1) Organization of biological diversity – (a) Patterns of organization; (b) Diversity of organization. (2) New tools and techniques in systematics. (3) Adaptive strategies of living systems (morphological and behavioural). (4) Complexity of interspecific interactions and their evolution. (5) Molecular and biochemical basis of growth and development. (6) Reproductive and mating strategies of plants and animals. (7) Evolution of death and senescence. (8) Living systems as biological resources. (9) Utilization, management and conservation of living systems (along with their ecosystems). Besides these, RC will provide awareness on IPRs, Bioethics, GMPs along with a flavour of research practices and funding opportunities for undergraduate institutions and PG centres.

Applications for attending the RC are invited from teachers, research scholars and postgraduate students in life sciences. Selected participants (about 35) will be provided with round-trip bus/train (three-tier AC) fare and local hospitality during the course, along with course material.

Interested applicants must submit their applications ONLINE by clicking on the following link:

<https://web-japps.ias.ac.in:8443/Refreshcourse/LSO.jsp#>

Hard copy of the application duly signed by the Head of the Institution along with CV should be sent to **M. Pradeep**, Course Coordinator (OCELS-2022), and Head, Department of Biotechnology, Government Degree & PG College (Men), Near K. R. Stadium, Srikakulam 532 001, Andhra Pradesh; e-mail: mpsep15@gmail.com; Cell: 85559 11961/89857 45820 (WhatsApp Only).

Last date for receipt of applications: **31 December 2021**.

Course Director: **Prof. K. N. Ganeshiah**, FNASc, University of Agricultural Sciences, GKVK, Bengaluru 560 065.

Course Coordinator: **Mr M. Pradeep**, Head, Department of Biotechnology, Government Degree & PG College (Men), Srikakulam.