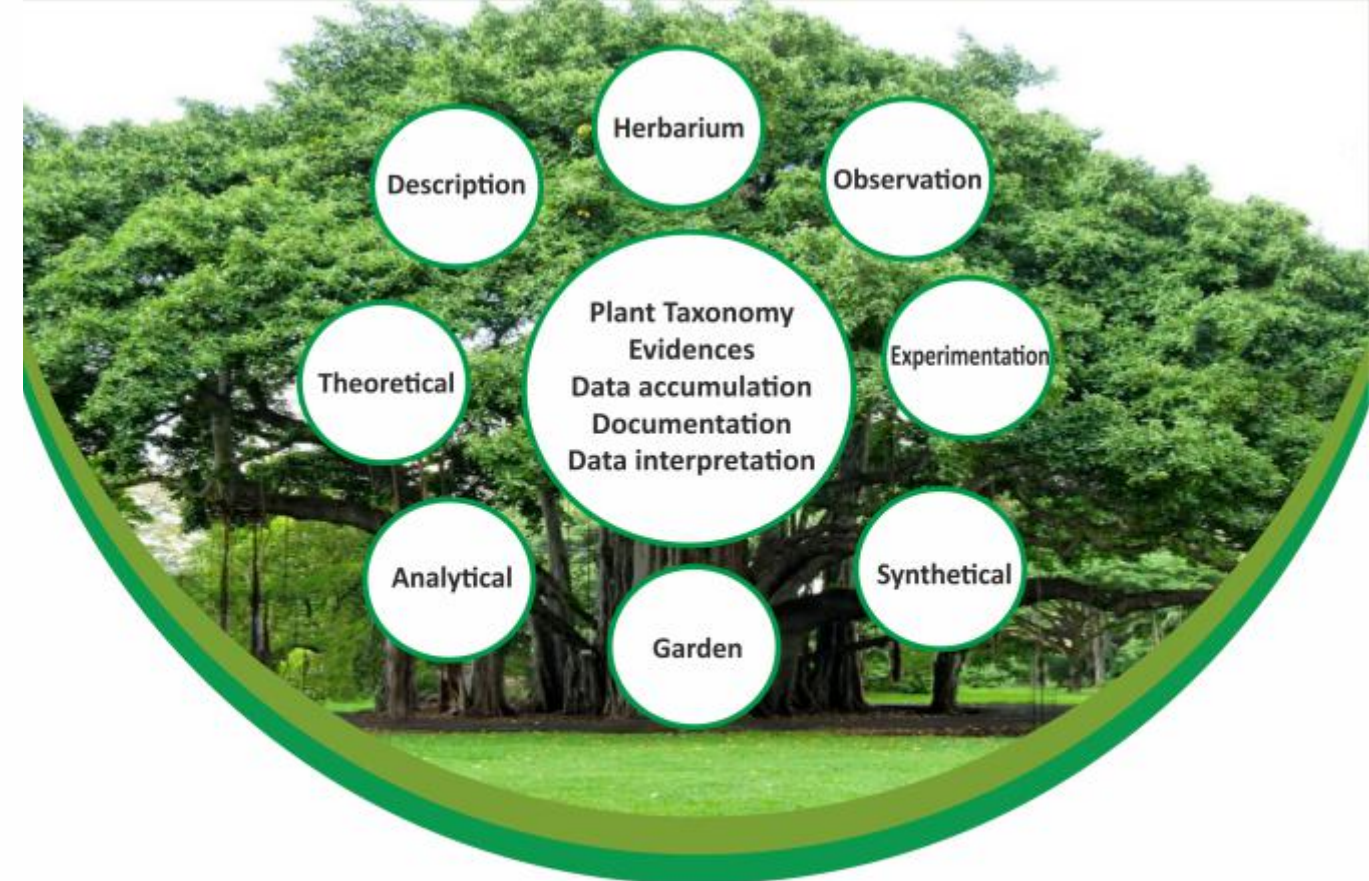


**Centre for Innovation in Science and Social Action (CISSA)** : was initiated by a community of dedicated minds consisting of scientists, engineers, doctors, teachers, social workers, policy makers etc. It is an organisation endowed with adequate infrastructure and support staff backed by a full time group of professionals, from disciplines like environment, sustainable development, food, agriculture, clean technologies, energy, traditional knowledge and Indian science such as Ayurveda and yoga. CISSA is strengthened by an extensive volunteer network in the state and it works in close association with leading national and local NGOs and other related agencies. It maintains a high degree of integrity and answerability in all its activities. Founded in 2006, CISSA is registered under Travancore- Cochin Literary, Scientific and Charitable Societies Registration Act, 1955, and located in Thiruvananthapuram, Kerala. With the inception of the centre, CISSA strives for initiating sustainable development at the grassroots.

**RCE Thiruvananthapuram** : Regional Centre of Expertise (RCE) Thiruvananthapuram acknowledged by the United Nations University works proactively with community stakeholders to integrate Education for Sustainable Development (ESD) across all aspects of education, learning and skill development. RCE Thiruvananthapuram focuses on creating platforms and opportunities for strategic thinking and knowledge exchange in the areas of biodiversity, health, sustainable agriculture, disaster management and energy conservation. RCE Thiruvananthapuram located in the south Indian state of Kerala has pioneered several initiatives and works along with the community, youth and decision makers to bring strategic improvements in all fields of sustainable development. Kerala School Agri Fest, Campus Leaders for Sustainable Development, Low Carbon Schools Initiative, Green audit & carbon Footprint Estimation in Institutions, Chemical Free Agricultural Promotion Programmes are a few initiatives in this direction.

**Out breaks of CISSA** : **Global Ayurveda Festival** (Summit for salvaging Ayurveda), **Annam** (Safe food, Sound health) **International Biodiversity Congress & Expo, Kerala School Agri Fest KSAF 2019** (carnival of child farmers), **National Jackfruit Festival** (Dignity back for jackfruit and its trees), **National Banana Festival** (Festivity of banana diversity), **Lightning Awareness and Research Centre (LARC)** (Light of knowledge against threat of lightning), **Shreshta Krishi, Kapila Fest** (Preciousness of native cows), **URJA** (Saga of sustainable energy), **Rural Development** (India remains in the villages), **Waste Management, Let's Live a Low Carbon Life, Sustainable Living** etc...

**Publications of CISSA:** Brought 43 books on Agriculture, Biodiversity, Health, Food & Nutrition, Animal Husbandary, Environment, Energy, Green Auditing etc.



# A National Webinar on Plant Taxonomy : Description to Digital Experiment

October 05-09 & 12-14, 2020 (8 days)

Time : 7.00 - 9.00 pm



Centre for Innovation in Science and Social Action (CISSA)  
T.C. 15/510, USRA -55, Udarasiromani Road,  
Vellayambalam, Thiruvananthapuram - 695010, Kerala, India  
Ph: +91 471 2722151,  
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Organised by



In association with



RCE Thiruvananthapuram,  
acknowledged by UNU

# KEY SPEAKERS

## Dear Friends,

Plant taxonomy is the science that explores, describes, names and classifies all kinds of plants from lower to higher forms. The taxonomy has its own historical steps in the elaboration of this science that provides baseline data for all fields of biology and plays a vital role for society but also grown an independent, complex and sound hypothesis- driven scientific discipline. It is one of the earliest disciplines that emerged thousands of years ago notably from Theophrastus, pliny the Elder and Dioscorides, even before the contributions of Greeks and Romans. In the 15-16 centuries, plant taxonomy benefited from the great navigations, the invention of printing press, the creation of botanical gardens and the use of drying technique to preserve plant specimens. In parallel with the growing body of morphological data, subsequent major steps in the history of plant taxonomy include the emergence of the concept of natural classification, the adoption of the binomial naming system and universal rules for the naming of plants, the formulations of the principle of subordination of characters, and the advent of evolutionary thought. More recently, the taxonomy, adopted the cladistic theory and the rapid advances in DNA technologies and bioinformatics allowed to infer phylogenies and to propose geneology – based classification. In other words, the discipline has progressed steadily from morphology to molecular mode and yet the taxonomy faces challenges nowadays. The still very incomplete knowledge of the world flora is seriously hampering conservation efforts that are especially crucial as biodiversity enters its six extinction crisis. The so called taxonomic impediment arises mainly due to insufficient funding, lack of taxonomic knowledge and lack of communication and co-ordination.

We, therefore, keep in mind to overcome the impediments, organise 8 days Online National Training Programme on Plant Taxonomy to train students of Plant sciences (BSc, MSc), Researchers (MPhil and PhD), Lectures and those who are all interested to learn plant taxonomy from 5-9 and 12-14 October 2020. The objective of the programme is to develop quality human resources in plant taxonomy that caters the stakeholders of this discipline for the 21<sup>st</sup> century.

We are looking forward to meet you in the webinar

Dr.Sureshkumar C  
General Secretary, CISSA

Dr.AG Pandurangan  
Co-ordinator

Dr.PN Krishnan  
Joint Co-ordinator

Dr.K.Murugan  
Joint Co-ordinator



Dr.A.G. Pandurangan,  
Ex. Director, JNTBGRI & Advisor, CISSA



Dr. P. N. Krishnan  
Ex.Head, Biotechnology & Bioinformatics  
JNTBGRI & Director CISSA



Dr.N.Mohanan,  
Ex. Head,Garden Management Division,  
JNTBGRI & Advisor MSSRF



Dr.K.Murugan  
Principal (Rtd.) Govt. Arts College, Trivandrum  
Director (Administration)



Dr. Radhamany  
Professor, Dept. of Botany, University of Kerala



Dr. K. B. Ramesh Kumar  
Scientist (Phytochemistry), JNTBGRI



Dr. S. Sreekumar  
Scientist & Co-coordinator  
Bioinformatics Unit, JNTBGRI



Dr.G.Rajkumar  
Head, Plant Systematics &  
Evolutionary Science, JNTBGRI



Dr.A. Nazuradeen  
Taxonomist, Plant Systematics &  
Evolutionary Science, JNTBGRI



Dr.T.Shaju  
Scientist, Plant Systematics &  
Evolutionary Science, JNTBGRI



Dr.E.S Santhosh kumar  
Technical Officer,Garden Management Division,  
JNTBGRI

## Participants

College/University Teachers, BSc, MSc,  
MPhil and PhD students from Botany and related disciplines

Registration Fee: Rs.1416/- (Rs.1200/- + 18% GST)

Publication : Book on Plant Taxonomy & Biodiversity-Special offer : Rs.350

### Important Dates:

Last date for Registration : 5 pm, 30/09/2020

Link for the webinar : 03/10/2020

### Bank details:

Account name : Centre for Innovation in Science and Social Action (CISSA)

Account No : 67021680619

Bank : State Bank of India (SBI), Vellayambalam branch, Thiruvananthapuram, Kerala

IFSC Code : SBIN 0070308

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