

# **REPORT**

## **TWO DAY ONLINE COURSE SKILL DEVELOPMENT IN SYSTEMATIC LITERATURE SURVEY**

Department of Botany, University of Calicut conducted a two-day online course on Skill Development in Systematic Literature Review with an objective to improve the skills of research scholars of various scientific disciplines in systematic literature review. The program was conducted from 30. 05. 2021 to 31. 05. 2021 from 10am to 12 noon. The program was conducted in online mode through Google meet platform accompanied by YouTube Live Streaming. A total of 184 participants registered for the program from various institutions all over Kerala. Participants included MSc students, MPhil & Research Scholars, Assistant Professors, Associate Professors of Botany and allied disciplines of various academic institutions within and outside Kerala. Dr. K. Satheesh Kumar, Associate Professor and Head, Department of Future studies, University of Kerala was the resource person for the program. He explained about different tools which can be exploited to perform literature review in a scientific and systematic manner along with networking of the data on co-authorship, co-occurrence as well as citations. Instead of lecturing, he gave an opportunity for the students to practice the tools and software along with live interactions. Students were exposed to a new area of Citation network analysis based on different software. Five new tools were introduced to the participants and the analysis was done real time so that the participants were able to visualize the results in terms of various graphics. He provided a tutorial of the lecture as a pdf file for the ease of participants. Apart from the topic, he explained about various tools which can be used to check and avoid plagiarism. Participants were able to clarify their queries regarding Web of Science, Predatory journals, technique to write perspective reviews and so many other areas. For both days, 100 participants were in Google meet and others watched YouTube Live Streaming of the program. The feedback collected after the program revealed that the topic was new to 100% participants and was useful in improving their knowledge and skill in systematic literature review. E certificates were issued to all the participants in the end.

10:27 AM

91



feh-tnst-pwu



REC

Satheesh is presenting

Satheesh

JOSE T

ANAGHA VP joined

ANAGHA VP joined

9:42 AM

98

← feh-tnst-pwu ▶

A screenshot of a network graph visualization software interface. The main area shows a complex network of nodes and edges. Nodes are represented by circles of various colors (blue, green, purple, red) and sizes. Edges are thin lines connecting the nodes. On the left side, there is a sidebar with a list of nodes and their properties. A small dialog box is open in the center of the graph, showing some settings or options. The text "Satheesh is presenting" is overlaid at the bottom of the screenshot. There are also icons for mute and a square icon in the bottom right corner of the screenshot area.

A video feed of a man with glasses and a mustache, wearing a light blue shirt, sitting in a chair. The name "Satheesh" is displayed at the bottom of the video. There is a mute icon in the top right corner.

A circular profile picture of a man with a mustache, wearing a blue shirt. The name "Pramod" is displayed below the picture. There is a mute icon in the top right corner.

A circular profile picture with a white letter "R" on an orange background. The name "You" is displayed below the picture. There is a mute icon in the top right corner.

A circular profile picture of a woman with long dark hair, wearing a white patterned top, sitting on a bicycle. The name "Amritha" is displayed below the picture, followed by "96 others". There is a mute icon in the top right corner.

A row of five circular icons: a red phone icon, a white icon with a diagonal line through it, a white icon with a diagonal line through it, a white hand icon, and a white three-dot menu icon.



REC

**Networks in Physics**

**Complex Networks *in* and *beyond* Physics**

**Physics** (Greek: *physis* [physis], nature) is the branch of science concerned with the characterization of universal laws of Nature portraying its logically ordered picture in agreement with experience. Theoretical physics is closely related to mathematics, which provides a language for physical theories and allows for a rationalization of thought formulating these laws in terms of mathematical relations.

Proceedings of the IASB Solid State Physics Symposium (2005)

**Physics of Complex Networks**

**Shalika Mishra\***  
The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai, 600 035, India  
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**Abstract**  
The recent discovery of universal principles underlying many complex networks occurring across widely different domains in the biological, social and technological worlds have opened the way to a new paradigm in understanding such systems using techniques from statistical physics and complex dynamics. In this article, we discuss some results from our group that look at how network structure (e.g., its connectivity spectrum) affects the nature of its dynamics and conversely how dynamical considerations constrain the network structure. These results are of obvious significance for understanding real-world systems.

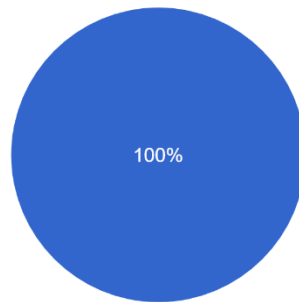
**Fig. 1:** Evolution of a network with sequential addition of nodes. The black lines and (red arrows) represent links and flows, respectively, between nodes in the network. The nodes being highly preferred activity are connected to the network.

Satheesh is presenting



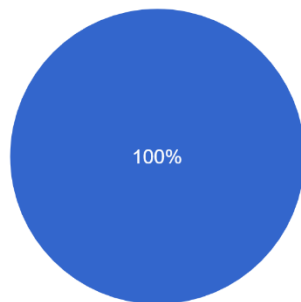
Call, Mute, Unmute, Hand, More options

Topic of presentation was relevant and new to me.  
67 responses



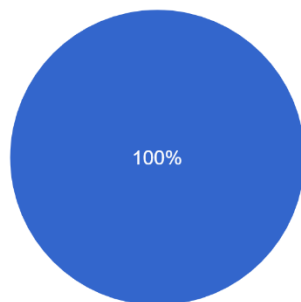
● Yes  
● No

The topic was effectively communicated with the participants.  
67 responses



● Yes  
● No

Resource person interacted very well with the participants.  
67 responses



● Yes  
● No

The Department of Botany was established under the University of Calicut in 1968. It is one of the leading University Botany Departments of India in the field of teaching and research. We are conducting a two day online course for research scholars of various scientific disciplines for improving their skills in systematic literature review.

For registration, please use the QR code or click on the link

<https://forms.gle/g2bunrXu1EMvCaE8g>



Resource person  
Dr. K. Satheesh Kumar  
Associate Professor & Head  
Department of Future Studies  
University of Kerala



## DEPARTMENT OF BOTANY UNIVERSITY OF CALICUT

Two day Online Course

### *Skill Development in Systematic Literature Review*

2021 May 30-31  
10am – 12pm

Last date for registration: 29.05.2021

*E- certificates will be provided for the participants*

## DEPARTMENT OF BOTANY UNIVERSITY OF CALICUT



**Two Day Online Course**

**Skill Development in Systematic Literature Review**

30-31 May 2021

*Certificate of Participation*

This is to certify that Dr. K. Satheesh Kumar, Associate Professor, Department of Future Studies, University of Kerala was the resource person for the Two Day Online Course on Skill Development in Systematic Literature Review, organized by the Department of Botany, University of Calicut from 30-05-2021 to 31-05-2021.

Prof. (Dr.) Jos. T. Puthur  
Professor, Department of Botany,  
University of Calicut



Prof. (Dr.) V. V. Radhakrishnan  
Head, Department of Botany & Dean,  
Faculty of Science, University of Calicut