


रिज्ञ्याण तान्त्राज्ञ्याण अनुवादान

DEPARTMENT OF SCIENCE AND TECHNOLOGY
NITTE UNIVERSITY TECHNOLOGY ENABLING CENTRE



The banner features logos for the Department of Science and Technology, Government of India; NITTE (Deemed to be University); and the Institution's Innovation Council (Ministry of HRD Initiative). The title is "Ideation drive in Health and Allied Sciences- 2021". Below the title, it states: "The objective of the ideation drive is to bring together multiple disciplines in one platform to translate the ideas to technologies through innovation. This will be facilitated with mentoring and hand-holding by faculty from different disciplines such as medicine, dentistry, biology and engineering etc." The bottom part of the banner shows four men standing behind a table, each holding a certificate or document.

DST NU-TEC Chronicle | June to September 2021

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HANDS ON TRAINING WORKSHOP ON NUCLEIC ACID BASED MOLECULAR TECHNIQUES

21 -25 September 2021

Skill in molecular techniques is very important for translational research as well as for biotechnology-based industries. To contribute to skill enhancement in this area, a five-day hands-on training workshop on molecular techniques was conducted for the undergraduate students during the period of 21 -25 Sept 2021 number of students participated. The course was divided into modules, each organized by a faculty member with an expertise in the area. Comprehensive background lectures were coupled with extensive hands-on experience. The modules focused on basic methods of nucleic acid extraction, conventional PCR, RT PCR, Multiplex PCR, qPCR, LAMP, cloning and expression, DNA finger printing techniques describing both the uses and limitations of these techniques, and comparing the methods with others that yield similar information. A user-friendly training manual was designed for the students for the laboratory session that included all the protocols. The practical sessions focused mainly on developing technical skill and accuracy. Discussion session at the end of the day focused on the importance of each step in the procedure, approaches to troubleshoot during experiment, critical analysis on how, where and when each kind of technique can be put to use. The trainees were provided with certificates in a short valedictory ceremony.



IDEATION DRIVE – 2021 Health and Allied Sciences

DST Technology Enabling Centre in association with the Institution Innovation Council, Nitte (DU) initiated an **ideation drive** to translate the ideas to technology through innovation. Best selected ideas will get a **prize, mentoring support, boot camp training, start up grant support, and business development support**

24 September 2021 to 15 November 2021

Process

- Phase 1:** Identification of the problem
- Phase 2:** Discussion of the selected problems with peers from the domain to develop possible solutions
- Phase 3:** Development of teams for addressing the problems and possible solution
- Phase 4:** Review by the experts

Target Domains

Healthcare: Medical devices, diagnostics, therapeutics, nutrition, drug discovery, development of vaccines, maternal & child health, infectious diseases, Covid-19, rare and neglected diseases, patient care and safety, water & sanitation, solid waste & bio waste management

Digital Health : Artificial Intelligence & Machine Learning, imaging, wearables, IT in healthcare and other related sub-domains



► ನಿಟ್ಟಿ ವಿವಿ: ಆರೋಗ್ಯ ಮತ್ತು ಸಂಬಂಧಿತ ವಿಜ್ಞಾನಗಳಲ್ಲಿ ಐಡಿಯೇಶನ್ ಡ್ರೈವ್ ವಿಮರ್ಶಾತ್ಮಕ ಚಿಂತನೆ ಅಗತ್ಯ: ಡಾ| ಸತೀಶ್ ಕುಮಾರ್ ಭಂಡಾರಿ

ನಿಟ್ಟಿ ವಿವಿ: ಆರೋಗ್ಯ ಮತ್ತು ಸಂಬಂಧಿತ ವಿಜ್ಞಾನಗಳಲ್ಲಿ ಐಡಿಯೇಶನ್ ಡ್ರೈವ್- 2021 ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಡಾ|| ಸತೀಶ್ ಕುಮಾರ್ ಭಂಡಾರಿ ಅವರು ಮಾತನಾಡಿ, ಈ 80ಕ್ಕಿಂತ ಹೆಚ್ಚು ವೈದ್ಯಕೀಯ ಸಾಧನಗಳನ್ನು ವಿವಿಧ ರೀತಿಯಲ್ಲಿ ಅಭಿವೃದ್ಧಿಪಡಿಸಿ ಮಾರಾಟಗೊಳಿಸುವುದು ಸಾಧ್ಯವಾಗಿದೆ. ಇವನ್ನು ಅಭಿವೃದ್ಧಿಪಡಿಸುವುದು ಮತ್ತು ಮಾರಾಟಗೊಳಿಸುವುದು ಉತ್ತಮವಾಗಿದೆ.



ಉತ್ಪಾದಿಸುವುದು ಮತ್ತು ಮಾರಾಟಗೊಳಿಸುವುದು ಉತ್ತಮವಾಗಿದೆ. ಉತ್ಪಾದಿಸುವುದು ಮತ್ತು ಮಾರಾಟಗೊಳಿಸುವುದು ಉತ್ತಮವಾಗಿದೆ.

ನಾವು ಮಾಡಬೇಕಾದ ಅಂಶಗಳೆಂದರೆ ಒಳ್ಳೆ ಕಾಲದ ಮನುಷ್ಯನು ಯಾವುದೇ ಮನವನ ಅಂಶಗಳನ್ನು ಪರಿಷ್ಕರಿಸುವುದು ಹೆಚ್ಚಿನ ಪ್ರಯತ್ನಗಳನ್ನು ನೀಡಬೇಕು ಎಂದು ಅವರು ಹೇಳಿದರು.

ಸಂಸ್ಥೆಯ ಇನ್ಫೋರ್ಮೇಶನ್ ಟೆಕ್ನಾಲಜಿ (ಐಟಿ) ಅಧ್ಯಕ್ಷ ವೈ. ಎ. ಶ್ರೀನಿವಾಸರಾವ್ ಅವರಿಗೆ ಮೆಚ್ಚುಗೆಯನ್ನು ನಿಟ್ಟಿ ವಿವಿ ಸಂಪನ್ಮೂಲ ಮತ್ತು ಮೇಲ್ವಿಚಾರಣೆ ವಿಭಾಗದ ಸಹಕಾರ ವೈ. ಎ. ಶ್ರೀನಿವಾಸರಾವ್ ನಿಂದ ಕುರಿತು ಒಳನೋಟಗಳನ್ನು ನೀಡಿದರು. ಸಂಸ್ಥೆಯ ಕ್ಷೇತ್ರದ ಇನ್ಫೋರ್ಮೇಶನ್ ಟೆಕ್ನಾಲಜಿ (ಐಟಿ) ಸಂಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು ಶ್ರೀ ಪ್ರವೀಣ್ ಕುಮಾರ್ ನಿಟ್ಟಿ ವಿವಿ. ಸಹಾಯಕ ನಿರ್ದೇಶಕರು ಅರ್ಜುನ್ ಕುಮಾರ್ ನಿಟ್ಟಿ ವಿವಿ.



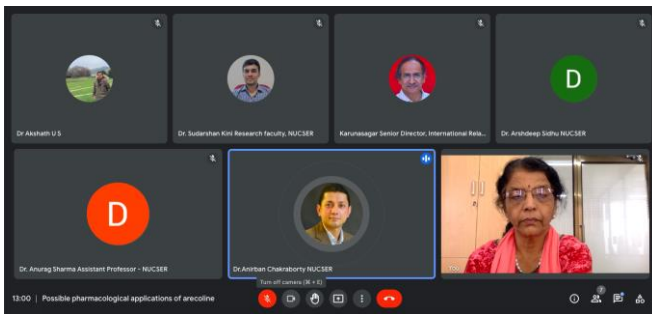
Register your ideas here

ENABLING PROJECT FORMULATION TO MEET THE INDUSTRY REQUIREMENTS

21 June 2021



23 June 2021



17 August 2021



Series of discussions were held with CAMPCO industries, D.K , Karnataka on development of projects to evaluate the potential anti-cancer property of certain components of areca using three different model systems: zebrafish, drosophila and cell lines. The research will be carried out at Nitte University Centre for Science Education and Research and will be funded by CAMPCO industries. The Community Dentistry Department of ABSMIDS will collect field data on the association between exclusive areca chewing and non-areca associated oral cancer. The entire project has been mentored and facilitated at DST NU-TEC by Prof Indrani Karunasagar and Prof Iddya Karunasagar along with the concerned scientists of NUCSER. This project would be highly significant to the agri-industry as areca is an economically important cash crop in several districts of Karnataka. The project plan was presented to the team from CAMPCO comprising Mr Kishore Kumar Kodgi, President, Mr HM Krishna Kumar, MD, Dr Keshav Bhat, scientist and Mrs Reshma Mallya, GM on 17 August 2021.

The core project investigators

- Dr Anirban Chakraborty, Division of Cancer Biology, NUCSER
- Dr Anurag Sharma, Division of Toxicology, NUCSER
- Dr Sudarshan Kini, Division of Nanotechnology, NUCSER
- Dr Audrey, Dept of Community Dentistry ABSMIDS



Research needed to prove if areca alone without any additives is carcinogenic



ವೇಣುವಿನೋಡ್ ಕೆ.ಎಸ್. ಮಂಗಲೂರು

ಅಡಕಿಯಲ್ಲಿ ಕ್ಯಾನ್ಸರ್ ಕಣಗಳನ್ನು ತಟ್ಟಿಸಲಿಸುವ ಗುಣಗಳಿವೆಯೇ ಹೊರತು ಅಡಕಿ ಎಂದಿಗೂ ಕ್ಯಾನ್ಸರ್ ಕಾರಕವಲ್ಲ! ಹೀಗೊಂದು ವೈಜ್ಞಾನಿಕ ಆಧಾರಗಳನ್ನು ರೂಪಿಸುವ ನಿಟ್ಟಿನಲ್ಲಿ ಕ್ಯಾನ್ಸರ್ ಹೆಜ್ಜೆ ಇರಿಸಿದೆ. ಮುಂದೆ ಅಡಕಿಗೆ ಬರಬಹುದಾದ 'ಅಪಾಯಕಾರಿ' ಎಂಬ ಹಣೆಪಟ್ಟಿಯನ್ನು ವೈಜ್ಞಾನಿಕವಾಗಿ ಎದುರಿಸುವುದಕ್ಕೆ ಬೇಕಾದ ಸಿದ್ಧತೆ ಇದಾಗಿದೆ. ಈ ಪ್ರಯತ್ನವಾಗಿ ನಿಟ್ಟಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ವಿಜ್ಞಾನಿಗಳೊಂದಿಗೆ ಸಂಶೋಧನೆಗೆ ಒಪ್ಪಂದ ಮಾಡಿಕೊಳ್ಳಲಾಗಿದ್ದು, ರೋಷಾ ಮೀಸುಗಳ ಮೇಲೆ ಪ್ರಯೋಗ ನಡೆಯಲಿದೆ. ನಿಟ್ಟಿ ವಿವಿಯ ತಜ್ಞರಾದ ಡಾ. ಇಡ್ಲಾ ಕರುಣಾ ಸಾಗರ್ ಲ್ಯಾಬೋರಟರಿ ಇವಾಲ್ಯುವೇಶನ್ ನಡೆಸಲಿದ್ದಾರೆ. ಇದಕ್ಕಾಗಿ ಕ್ಯಾನ್ಸರ್ 25 ಲಕ್ಷ ರೂ. ವೆಚ್ಚ ಮಾಡುತ್ತಿದೆ.

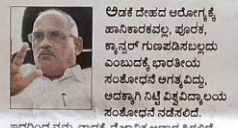
ವೈಜ್ಞಾನಿಕ ಆಧಾರ ರೂಪಿಸುವ ನಿಟ್ಟಿನಲ್ಲಿ ಕ್ಯಾನ್ಸರ್, ನಿಟ್ಟಿ ವಿವಿ ಸಂಶೋಧನೆ

ವೇಣುವಿನೋಡ್ ಕೆ.ಎಸ್. ಮಂಗಲೂರು ಅಡಕಿಯಲ್ಲಿ ಕ್ಯಾನ್ಸರ್ ಕಣಗಳನ್ನು ತಟ್ಟಿಸಲಿಸುವ ಗುಣಗಳಿವೆಯೇ ಹೊರತು ಅಡಕಿ ಎಂದಿಗೂ ಕ್ಯಾನ್ಸರ್ ಕಾರಕವಲ್ಲ! ಹೀಗೊಂದು ವೈಜ್ಞಾನಿಕ ಆಧಾರಗಳನ್ನು ರೂಪಿಸುವ ನಿಟ್ಟಿನಲ್ಲಿ ಕ್ಯಾನ್ಸರ್ ಹೆಜ್ಜೆ ಇರಿಸಿದೆ. ಮುಂದೆ ಅಡಕಿಗೆ ಬರಬಹುದಾದ 'ಅಪಾಯಕಾರಿ' ಎಂಬ ಹಣೆಪಟ್ಟಿಯನ್ನು ವೈಜ್ಞಾನಿಕವಾಗಿ ಎದುರಿಸಲು ಬೇಕಾದ ಸಿದ್ಧತೆ ಇದಾಗಿದೆ. ಈ ಪ್ರಯತ್ನವಾಗಿ ನಿಟ್ಟಿ ವಿಶ್ವವಿದ್ಯಾಲಯದ ವಿಜ್ಞಾನಿಗಳೊಂದಿಗೆ ಸಂಶೋಧನೆಗೆ ಒಪ್ಪಂದ ಮಾಡಿಕೊಳ್ಳಲಾಗಿದ್ದು, ರೋಷಾ ಮೀಸುಗಳ ಮೇಲೆ ಪ್ರಯೋಗ ನಡೆಯಲಿದೆ. ನಿಟ್ಟಿ ವಿವಿಯ ತಜ್ಞರಾದ ಡಾ. ಇಡ್ಲಾ ಕರುಣಾ ಸಾಗರ್ ಲ್ಯಾಬೋರಟರಿ ಇವಾಲ್ಯುವೇಶನ್ ನಡೆಸಲಿದ್ದಾರೆ. ಇದಕ್ಕಾಗಿ ಕ್ಯಾನ್ಸರ್ 25 ಲಕ್ಷ ರೂ. ವೆಚ್ಚ ಮಾಡುತ್ತಿದೆ.

ವಿಷಯವಾಗಿ ವಿಶೇಷ

» ಸಂಶೋಧನೆಗೆ 25 ಲಕ್ಷ ರೂ. ವೆಚ್ಚ ಸರ್ಕಾರ ದ್ವಾರ. ಇದಕ್ಕಾಗಿ ಕ್ಯಾನ್ಸರ್ 25 ಲಕ್ಷ ರೂ. ವೆಚ್ಚ ಮಾಡುತ್ತಿದೆ.

ಕ್ಯಾನ್ಸರ್ ಗುಣಪಡಿಸುವ ಲೇಹ ಅಡಕಿಗೆ ಕ್ಯಾನ್ಸರ್ ಗುಣಪಡಿಸುವ ಗುಣವಿದೆ ಎನ್ನುವುದಕ್ಕೆ ಸಂಶೋಧನೆ ಜತೆಯಲ್ಲೇ ಅಂತಿಮತೀರ್ಮಾನವನ್ನೂ ಜಿಡ್ಡು ಅಯುರ್ವೇದ ಆಯುಷ್ಯ ಸಂಶೋಧನೆಯಲ್ಲಿ ಅಭಿವೃದ್ಧಿ ಪಡಿಸಲಾಗುತ್ತದೆ. ಇದಕ್ಕೆ ಕ್ಯಾನ್ಸರ್ ಪ್ರವೇಶಿತ ಅಡಕಿ ಸಂಶೋಧನೆ ಮತ್ತು ಅಭಿವೃದ್ಧಿ ಪ್ರತಿಷ್ಠಾನ (ಎಆರ್‌ಡಿಎಫ್) ನೆರವು ನೀಡುತ್ತಿದೆ. ಇದರಲ್ಲಿ ಕೆ:20 ಅಡಕಿ ಹಾಗೂ ಕೆ:20 ಎನ್‌ಡೆಲಿಯ ಅಂಶಗಳಿದ್ದರೆ ಸಂಶೋಧನೆ ಜೇನು, ಅಂಜಿ, ಅಂಜಿ ಇತ್ಯಾದಿಗಳಿರುತ್ತವೆ. ಸದ್ಯೆ ಲೇಹವನ್ನು ತಯಾರಿಸಿ ಪ್ರಥಮ ಹಂತದಲ್ಲಿ ಯಶಸ್ವಿ ಕಂಡುಬಂದ ವಿಜ್ಞಾನಿಗಳು, ಮುಂದಿನ ಹಂತದಲ್ಲಿ ಅರಿಗಳಿಗೆ ಕ್ಯಾನ್ಸರ್ ಬಿಡುವಂತೆ ಮಾಡಿ, ಅವುಗಳಿಗೆ ಈ ಲೇಹದ ಅಂಶ ನೀಡಿ ಗುಣಪಡಿಸುವ ಕಾರ್ಯ ನಡೆಸಲಿದ್ದಾರೆ ಎನ್ನುವುದು ಎಆರ್‌ಡಿಎಫ್‌ನ ಅಧ್ಯಕ್ಷ ಡಾ.ಕೆ.ಪಿ.ಬಿ.



ಅಡಕಿ ದೇಹದ ಅರೋಗ್ಯಕ್ಕೆ ಹಾನಿಕಾರಕವಲ್ಲ, ಫೊರ, ಕ್ಯಾನ್ಸರ್ ಗುಣಪಡಿಸಬಲ್ಲದು ಎಂಬುದಕ್ಕೆ ಲಾಂಕೇಯ ಸಂಶೋಧನೆ ಆಗುತ್ತಿದ್ದು, ಅದಕ್ಕಾಗಿ ನಿಟ್ಟಿ ವಿಶ್ವವಿದ್ಯಾಲಯ ಸಂಶೋಧನೆ ನಡೆಸಲಿದೆ.



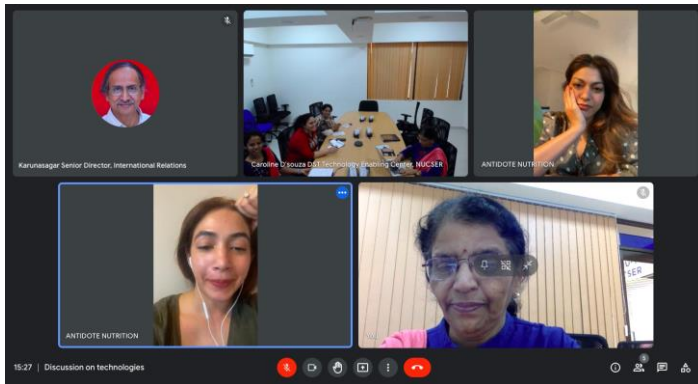
ಜೈವಿಕ ಮೀಸುಗಳ ದೇಹದ ಗುಣ ಮನುಷ್ಯ ದೇಹದ ಗುಣಗಳಿಗೆ ಹೋಲುವುದರಿಂದ ಅದನ್ನು ಕ್ಯಾನ್ಸರ್ ಸಂಶೋಧನೆಯಲ್ಲಿ ಲಭಿಸಲಾಗುತ್ತದೆ. ಕ್ಯಾನ್ಸರ್‌ನಿಂದಲೂ ಅಡಕಿಯ ಕ್ಯಾನ್ಸರ್ ಗುಣಪಡಿಸುವ ಗುಣವಿದೆ ಎನ್ನ ಸಂಶೋಧನೆ ನಡೆಸಲು ನಿಟ್ಟಿ ವಿವಿ ಸಂಶೋಧನೆ ಎಂಬೊಳೆನ್ ಆಂರ್ ರಿಸರ್ಚ್‌ಗೆ ಕೇರಿಕೊಂಡಿದ್ದಾರೆ. ಅದನ್ನು ಅನುಮೋದಿಸಿದ ಬಳಿಕ ಸಂಶೋಧನೆ ನಡೆಸಲಾಗುವುದು. | ಡಾ. ಇಡ್ಲಾ ಕರುಣಾ ಸಾಗರ್ ತಜ್ಞರು, ನಿಟ್ಟಿ ವಿವಿ

ಮೀಸಿನ ಮೇಲೆ ಪ್ರಯೋಗ ವಿಜ್ಞಾನಿಗಳು ಲಾಂಕೇಯ ಸಂಶೋಧನೆ, ದಕ್ಷಿಣ ಕನ್ನಡದ ಬಿ.ಆರ್. ಹುಡುಗೇಗೌಡ ಇಂಟಿಗ್ರೇಟಿವ್ ಡ್ರಾಸಾಂಕ್ ಮತ್ತು ರೋಷಾ ಮೀಸುಗಳಿಗೆ ಹಾಗೂ ಹೆಚ್ಚಿನ ನೋಡುಗಳಿಗೆ ನೀಡಿ, ಯಾವ ರೀತಿ ಪರಿಣಾಮ ಬೀರುತ್ತದೆ ಎನ್ನುವುದನ್ನು ವೈಜ್ಞಾನಿಕವಾಗಿ ಅರಿತುಕೊಳ್ಳಲಿದ್ದಾರೆ. ಈಗಾಗಲೇ 'ಮಾಲಿನ್ಯ ಲರ್' ನೆಟ್' ಎನ್ನುವ ಟ್ಯಾಕ್ ವೈಜ್ಞಾನಿಕ ನಿಯತಕಾರಿಗಳಲ್ಲಿ, ಅಡಕಿ ಕ್ಯಾನ್ಸರ್‌ನ ಗುಣಪಡಿಸುವ ಅಂಶಗಳನ್ನು ಹೊಂದಿರುವುದಾಗಿ ಸಂಶೋಧನಾ ಶ್ರಮದ ಪ್ರಕಟ ಗೊಂಡಿದೆ. ಅದರ ನಮ್ಮಲ್ಲಿಯೂ ಅಡಕಿ ರೀತಿಯ ಸಂಶೋಧನೆ ಇರಬೇಕೆಂದಾದರೆ ರಿಂದ ನಿಟ್ಟಿ ವಿವಿಯ ತಜ್ಞರೊಂದಿಗೆ ಸಮಾಲೋಚನೆ ನಡೆಸಲಾಗಿದೆ ಎನ್ನುವುದು ಕ್ಯಾನ್ಸರ್ ಅಧ್ಯಕ್ಷ ಕೆ.ಪಿ.ಬಿ.ಎಸ್. ಮಂಗಲೂರು.

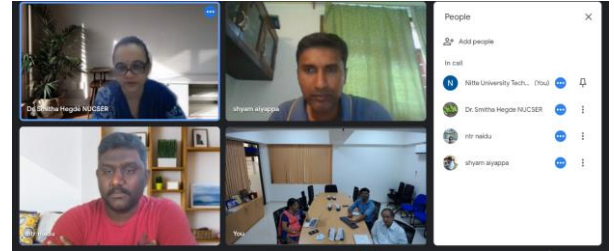
ಅಡಕಿ ದೇಹದ ಅರೋಗ್ಯಕ್ಕೆ ಹಾನಿಕಾರಕವಲ್ಲ, ಫೊರ, ಕ್ಯಾನ್ಸರ್ ಗುಣಪಡಿಸಬಲ್ಲದು ಎಂಬುದಕ್ಕೆ ಲಾಂಕೇಯ ಸಂಶೋಧನೆ ಆಗುತ್ತಿದ್ದು, ಅದಕ್ಕಾಗಿ ನಿಟ್ಟಿ ವಿಶ್ವವಿದ್ಯಾಲಯ ಸಂಶೋಧನೆ ನಡೆಸಲಿದೆ.

ಟೊಪ್‌ಪೇಪ್ಸ್ ತಯಾರಿ ಕ್ರಾಠಿಂಪ್ಪೊ ಸಹಯೋಗದಲ್ಲಿ ಅಕ್ಯಾನ್ ಕೆತ್ತಣ ಸಂಶೋಧನೆಯು ಟೊಪ್‌ಪೇಪ್ ಕೂಡ ಅಭಿವೃದ್ಧಿ ಪಡಿಸಿದ್ದಾರೆ. ಅದರ ಇದಕ್ಕೆ ನೆರವಾಗಿ ಅಡಕಿ ಲಭಿಸಿಕೊಂಡರೆ ದರ ಹೆಚ್ಚಾಗಿ ಮಾರುಕಟ್ಟೆಯಲ್ಲಿ ನಿಲ್ಲುವುದು ಕಷ್ಟ ಹಾಗಾಗಿ ಉತ್ತರ ಕನ್ನಡ, ಮಲೆನಾಡಿನಲ್ಲಿ ಎಣಿಸಲಾಗುವ ಹಣೆ. ಅಡಕಿ ಅಂಶವನ್ನು ಲಭಿಸಿಕೊಂಡು ಈಗಾಗಲೇ ಟೊಪ್‌ಪೇಪ್ ಮಾಡಲಿ ಸಿದ್ಧಗೊಂಡಿದೆ. ಅದಕ್ಕೆ ಬ್ಯಾಕ್ಟೀರಿಯಾ ರೋಗಕಾರಕ ಗುಣವಿರುವ ಬಗ್ಗೆ ಸಂಶೋಧನೆ ನಡೆಸಲಾಗುತ್ತದೆ.

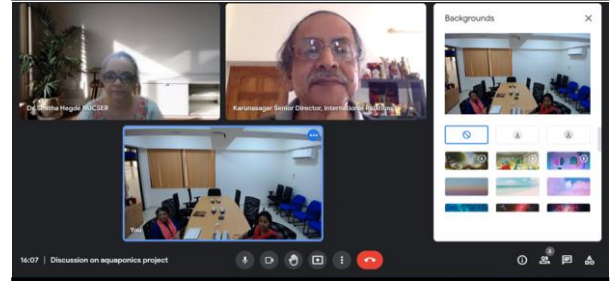
Enabling Project and Product Development for Industries



TEC in discussion with founders of 'ANTIDOTE' industry, New Delhi on technology for vegan products – 20 July 2021

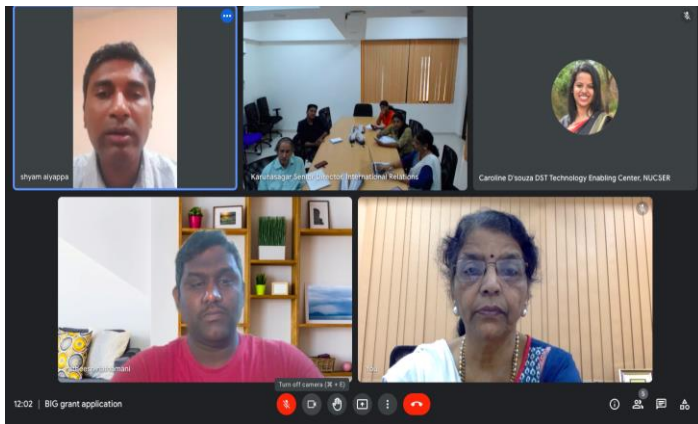


20 July 2021

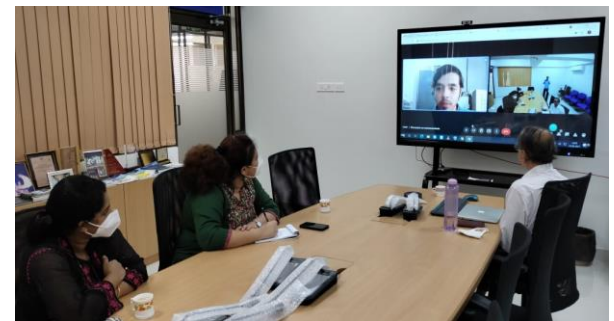


09 August 2021

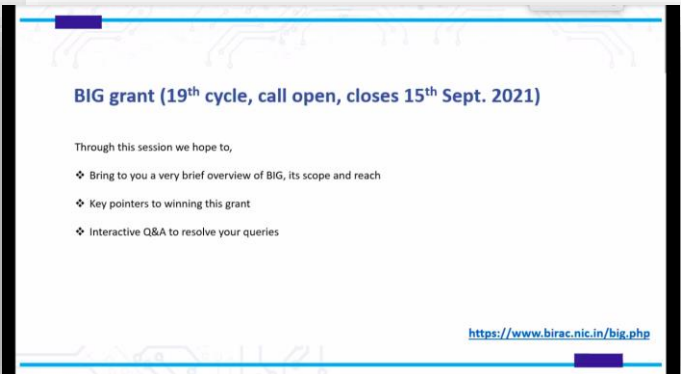
TEC mentors 'AQUAPONICS and PROSPEX' on development of project on aquaponics for Promoting Academic Research Conversion to Enterprise (PACE) grant



Handholding 'TEAM AQUAPONICS and PROSPEX' for a BIG grant proposal development on Nano bubble generation for aquaculture facility - 03 September 2021



Consultancy provided to 'NOM' Piyush Pandey, from Thane Maharashtra on development of various nutraceuticals – 23 September 2021



DST TEC joins hand with SINE: **Society for Innovation and Entrepreneurship (SINE)**, IIT Mumbai in collaboration with DST NU-TEC and other ecosystem partners organized a guidance session for potential applicants of DBT 'BIG' grant on 25 August 2021 which included an overview of the application process, suggestions on how to write a winning grant and key points for the evaluation at every stage.

World Environment Day Oration

Biological Diversity Act-2002: Challenges in implementation

OPENING REMARKS



Dr. Satheesh Kumar Bhandary
Vice Chancellor
Nitte DU

SPEAKER



Dr. B. Meenakumari
Former Chairperson
National Biodiversity Authority
Government of India

ORGANISER



Dr. Indrani Karunasagar
Director
Projects & DST NU-TEC
Nitte DU

MODERATOR



Dr. Smitha Hegde
Coordinator
DST NU-TEC
Nitte DU

Topics to be discussed:

1. What biomedical researchers need to know about BDA
2. BDA and IPR involving biological material
3. BDA and international collaboration involving material transfer

Date: June 05, 2021
Time: 10.30 am - 12 pm

Registration link: <https://form.jotform.com/211451477392457>

On the occasion of World environment day, an oration on Biological Diversity Act -2002 (BDA) was organized by DST NU-TEC. Dr Satheesh Kumar Bhandary, Vice Chancellor, Nitte (DU) in his opening remarks to the participants stressed on the need to preserve biodiversity for posterity and ecological balance in nature. He explained the strides made by Nitte University in their continued attempts at achieving carbon neutral campus. In her oration, Dr B Meenakumari, Former chairperson, National Biodiversity Authority, Govt of India and DDG (Fisheries), ICAR enlightened the audience about Biodiversity with a focus on laws applicable to various issues of interest to biomedical scientists such as Intellectual Property Rights (IPR), international collaboration and transfer of clinical and biomedical materials. She impressed upon the students, scientists, industrialists and academicians the importance of abiding by the act and laws and reminded one and all on the serious legal implications of trespassing. On this environment day within the theme 'Reimagine. Recreate. Restore' she appealed to all to understand the value of biodiversity as it helps in ecosystem restoration. In summary, she presented an updated checklist to researchers on how to conduct research involving various biological resources obtained from nature, various sector specific training and awareness programmes through government initiatives. The virtual session was moderated by Dr Indrani Karunasagar, and coordinated by Dr Smitha Hegde.

YouTube link: <https://youtu.be/l1sHYdH9sE>

Biological Diversity Act - 2002 Challenges in implementation

05 June 2021

India is a mega biodiversity hotspot and one of the oldest and biggest repositories of biological and genetic resources with ethnobotanical information and associated traditional knowledge. Today, biodiversity degradation is a global challenge and is accompanied by an irreversible damage. The lack of awareness, sectorial issues, lack of cooperation from stakeholders and lack of enforcement mechanisms undermines the act's intent and spirit. Academicians could play a role by involving citizens and creating awareness about the various environmental acts, disseminating information on legal and institutional instruments, economic incentives and plans of the government to protect biodiversity.



Preparedness for the third wave of Covid-19 and prioritisation of children

OPENING REMARKS



Dr. Satheesh Kumar Bhandary
Vice Chancellor
Nitte DU



Dr. Santhosh Soans
Past National President
Indian Academy of Pediatrics
Mangalore



Dr. Swathi Sunil Rao
Associate Professor
Dept of Pediatrics
KSHEMA, Mangalore



Dr. Rohit Bharadwaj
Consultant Pediatrician
Chennai

Date: June 25, 2021
Time: 9.30 am - 11 am

SPEAKERS

MODERATOR



Dr. Rathika Shenoy
HOD of Pediatrics
KSHEMA

Topics to be discussed:

1. The spectrum of pediatric Covid-19
2. Pediatric Covid-19 in office practice and updates on vaccines
3. Preparedness for third wave – National and State perspective

Preparedness for the third wave of Covid-19 and prioritisation of children

25 June 2021

A Webinar on “Preparedness for the third wave of Covid-19 and prioritisation of children” was organized on 25 June 2021 by the Dept of Paediatrics, KSHEMA and facilitated by DST NU-TEC. Prof Dr Satheesh Kumar Bhandary, Vice-Chancellor, Nitte (DU) in his opening remarks complimented the Department of Paediatrics for the choice of a very apt topic as the country is currently in the grip of the pandemic and the dreaded consequences should it affect the children. He further stated that the vaccination drive and guidelines from the government to manage the pandemic is being updated frequently and preparing ourselves for a possible Covid-19 third wave is of utmost importance to prevent the morbidity and mortality. Speakers of the webinar included Dr Santhosh Soans, Past National President, Indian Academy of Paediatrics, and Head of Paediatrics, A.J. Medical College, Mangalore, Dr Swathi Sunil Rao, Associate Professor, Dept of Pediatrics, KSHEMA, Mangalore and Dr Rohit Bharadwaj, Consultant pediatrician, SMART academy, Chennai . Prof. Dr. Indrani Karunasagar, Director, DST NU-TEC welcomed the resource persons and the participants, delving on the urgency to prevent a third wave. The event was coordinated and moderated by Dr Rathika Shenoy, an excellent clinician and Head of Paediatrics, KSHEMA.

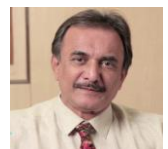
YouTube link: <https://www.youtube.com/watch?v=l7cdZz33Y9IZ>

As per the survey of the first and second wave of Covid-19, children formed a small group (3-4%) of the total Covid-19 cases with 60-70% cases being asymptomatic as seen at the global level. The reasons could range from reduced viral copy numbers they are exposed to differential expression of ACE2 receptor as compared to adults.



Children need to be tested to lessen the spread and even an iota of suspicion should lead them to seek medical attention without any delay. Asthmatic children may not be prone to Covid-19 infection due to other compounding medications and conditions such as steroid treatment, lower IFN production and inverse relation of the allergic sensitization with ACE2 receptor. Parents should not be in denial and addressing the problem early will ensure recovery and less spread.

Continuing Covid reinforcing behaviour, isolating the children from infected individuals, vaccination, uplifting the resources, recruitment and training of health care workers are the main strategies to tackle the third wave. As a member of Covid-19 taskforce of the district I would urge all practitioners treating children to be watchful for any signs or symptoms of Covid-19 to help manage and to prevent the predicted third wave.



National Workshop on
Ethics in Biomedical and Health Research: Perception and Practice
5th-8th July, 2021
DST NU-TEC

Resource Persons	Welcome Remarks	Organizing Committee
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Dr Nandini Kumar (NK) Former Deputy Director General Sr. Grade (ICMR) Vice President, FERCI </div> <div style="text-align: center;">  Dr Ramachandra S G (RS) Director, ICMR- National Animal Resource Facility for Bio-Medical Research, DHR, Hyderabad </div> </div>	<div style="text-align: center;">  Prof Dr Satheesh Kumar Bhandary Vice Chancellor Nitte (DU) </div>	<div style="border: 1px solid white; padding: 5px; margin-bottom: 5px;"> Dr Indrani Karunasagar </div> <div style="border: 1px solid white; padding: 5px; margin-bottom: 5px;"> Dr Iddya Karunasagar </div> <div style="border: 1px solid white; padding: 5px; margin-bottom: 5px;"> Dr Anirban Chakraborty </div> <div style="border: 1px solid white; padding: 5px; margin-bottom: 5px;"> Dr Smitha Hegde </div> <div style="border: 1px solid white; padding: 5px;"> Dr Krishna Kumar B </div>
Organized by NUCSER & DST NU-TEC		
Topics to be discussed		
<p>Day 1: 5th July 2021: 2:00 PM- 4:30 PM</p> <ul style="list-style-type: none"> • Snippets of Ethical Issues in Academic research (NK) • ICMR Guidelines 2017: General Ethical Issues (AJ) • Ethical Issues in Biological Material Transfer & Biobanking Datasets (NK) <p>Day 2: 6th July 2021: 2:00 PM- 4:30 PM</p> <ul style="list-style-type: none"> • ICH Good Clinical Practice Guidelines E6 R(2) (AS) • Ethical Guidelines for Research involving Human Subjects including Minors and Vulnerable (CM) • Informed consent (AJ) • Ethical Issues in Academic Vs Industry Sponsored Clinical Trials (AS) <p>Day 3: 7th July 2021: 2:00 PM- 4:30 PM</p> <ul style="list-style-type: none"> • Public health Research Ethics (AJ) • Medical Devices 2017 (AJ) • Ethics in Use of Animals for Biomedical Research (RS) • New Drugs and Clinical Trial Rules 2019 (AS) • Serious Adverse Event Reporting Timelines and Compensation for Research Related Injury (AS) <p>Day 4: 8th July 2021: 2:00 PM- 4:30 PM</p> <ul style="list-style-type: none"> • Ethical Issues in Vaccine Development and Trials (SB) • Responsible Conduct of Research (IK) • Publication Ethics (AC) • Dual-Use of Research Concern (InK) 		
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Dr Ashok Shenoy (AS) Professor Dept. of Pharmacology KMC, Mangalore </div> <div style="text-align: center;">  Dr Animesh Jain (AJ) Professor Dept. of Community Medicine KMC, Mangalore </div> </div>		
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Dr Chakrapani M (CM) Professor Dept. of Medicine KMC, Mangalore </div> <div style="text-align: center;">  Dr Subhrojyoti Bhowmick (SB) Clinical Director, Peerless Hospital & B K Roy Research Center, West Bengal </div> </div>		
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Dr Iddya Karunasagar (IK) Advisor (Research & Patents) Nitte (DU) </div> <div style="text-align: center;">  Dr Indrani Karunasagar (InK) Director (Projects & DST NU-TEC) Nitte (DU) </div> </div>		
<div style="text-align: center;">  Dr Anirban Chakraborty (AC) Professor and Director NUCSER </div>		
Registration link: https://form.jotform.com/211738681669469 <i>e-Certificate will be issued upon completing the MCQs and Feedback forms</i>		
For more details contact: Dr Krishna Kumar B, Member Secretary, Ethics Committee +91 9567506571, krishnakumarb@nitte.edu.in DST NU-TEC: dstnutec@nitte.edu.in +91 9535465241, +91 8494870773		
www.nitte.edu.in www.nucser.nitte.edu.in www.dstnutec.in		

Ethics in Biomedical and Health Research: Perception and Practice

05-08 July 2021

DST NU-TEC & NUCSER hosted a **National training workshop on Ethics in Biomedical and Health Research: Perception and Practice** from 5 - 8 July 2021 with a record registration of >1000 candidates from all over India including few members from outside the country reflecting the utility of knowledge expected to be accrued through this programme. Responsible conduct of research is the need of the hour. Dissemination of vital information on all aspects of research is of paramount importance and this workshop is aimed at being an eyeopener to beginners and others involved in biomedical, pharmaceutical and clinical research including trials, each of which is guided by ethical principles. Prof Dr Satheesh Kumar Bhandary, Vice-Chancellor, Nitte (DU) threw open the workshop with his ingenuity and remarks on the rapid advances in the field of medicine and biomedical sciences. All of this, he said opens a plethora of ethical questions on why, when, how, where and what of research adding newer dimensions of responsibility and complex dilemmas for both medical practitioners and researchers. The key speakers of the webinar were Dr Nandini Kumar, Former DDG Sr Grade (ICMR), Vice President FERCI, Dr Animesh Jain, Professor of Community Medicine, KMC Mangalore, Dr Ashok Shenoy Professor of Pharmacology, KMC Mangalore, Dr. Chakrapani M, Professor of Medicine, KMC Mangalore, Dr Ramachandra S.G, Director ICMR- National Animal Resource facility for Biomedical research, DHR Hyderabad, Dr Subhrojyoti Bhowmick, Clinical Director, Peerless hospital & B K Roy Research Center, West Bengal, Dr Iddya Karunasagar, Advisor (Research and Patents), Nitte (DU), Dr Indrani Karunasagar Director, DST NU-TEC and Dr Anirban Chakraborty Director, NUCSER.

Core topics presented and discussed in the workshop included:

- Snippets of Ethical Issues in Academic research
- ICMR Guidelines 2017: General Ethical Issues
- Ethical issues in Biological Material Transfer, and Biobanking Data sets
- ICH Good Clinical Practice Guidelines E6 R(2)
- Ethical Guidelines for Research involving human Subjects including Minors and Vulnerable, Informed consent
- Ethical Issues in Academic Vs Industry Sponsored Clinical Trials
- Public health Research Ethics, Medical Devices 2017
- Ethics in Use of Animals for Biomedical Research
- New Drugs and Clinical Trial Rules 2019
- Serious Adverse Event Reporting Timelines and Compensation for Research Related Injury
- Ethical Issues in Vaccine Development and Trials, Responsible Conduct of Research.
- Responsible Conduct of Research
- Publication Ethics
- Dual Use of Research Concern

The webinar was coordinated and moderated by Dr Smitha Hedge, Dr Anirban Chakraborty, Dr Krishna Kumar and Dr Juliet Mohan Raj. The four-day training workshop had 1042 registrants across the globe and e-certificates were given to the participants based on their attendance and MCQ performance at the end of the workshop.



Strengthening National Food Safety System- Challenges in the era of Covid19

07 June 2021

An oration on “Strengthening National Food Safety Systems - Challenges in the era of Covid19” was organized by DST NU-TEC on 07 June 2021 commemorating the World Food Safety Day. Dr Alan Reilly, Advisor, WHO and Adjunct Professor at University of Dublin, graced the occasion by an oration appropriate for the event. Dr Indrani Karunasagar, Director Projects and DST NU-TEC accorded a cordial welcome to the speaker and introduced the theme of the webinar to the participants. Dr Iddya Karunasagar, Advisor, Research and Patents Nitte (DU) introduced the speaker, Dr Alan Reilly, who has been a professional and personal friend for over three decades. In his opening remarks, the Hon’ble Vice-Chancellor, Nitte (DU) Dr. Satheesh Kumar Bhandary, exalted the role of the United Nations in ensuring food and nutritional security for all the developing and underdeveloped nations of the world. He complimented the TEC for bringing a world class eminent scientist cum bureaucrat to deliver an oration at Nitte (DU). The event was attended by faculty, students, food industry representatives and scientists from across the country.

DST NU-TEC

World Food Safety Day Oration

Strengthening National Food Safety Systems - Challenges in the era of Covid19

OPENING REMARKS	SPEAKER	ORGANISER	MODERATOR
 Dr. Satheesh Kumar Bhandary Vice Chancellor Nitte DU	 Dr. Alan Reilly Advisor, WHO Former CEO, Food Safety Authority of Ireland, Dublin Ireland	 Dr. Iddya Karunasagar Advisor Research & Patents Nitte DU	 Dr. Indrani Karunasagar Director Projects & DST NU-TEC Nitte DU

Topics to be discussed:

- World Food Safety Day theme: Safe food now for a healthy tomorrow
- Food Safety- A shared responsibility
- National Food Safety Systems
- One health approach to food safety and healthy tomorrow

Date: June 07, 2021
Time: 2.30pm - 4pm

Registration link: <https://form.jotform.com/211462332891453>

Dr Alan Reilly, Advisor WHO and CEO, FSA, Ireland spoke about the challenges posed by COVID-19 outbreak on the National food safety systems and how the pandemic is impacting the private and government food sectors. He recognized the need to develop new food strategies and highlighted the steps taken by the WHO and FAO to prepare a Global strategy for food safety (2022-2030). He stressed the importance of occupational health and safety measures that are essential for ensuring COVID-19-free food processing. He deliberated on the possible sources of SARS-CoV-2 exposures in food processing environment and suggested strategies to reduce the risk of transmission in working environment. He foresaw the emergence of zoonotic diseases and antimicrobial resistance as major public health issues and forewarned those involved to have a one health approach for a better alignment in areas of food, human health, animal health, and environment. Such an approach is key to managing risks at the human-animal-environment interface and could help tackle this pandemic as well as predict, manage and halt the emergence of similar or worse challenges in the future.



- Categories
- (3)
 - Animal Feed (8)
 - Antimicrobial Resistance (16)
 - Antimicrobial Resistance (50)
 - Codex Texts (12)
 - Contaminants (6)
 - Contaminants (4)
 - COVID-19 (56)
 - Food Safety (80)
 - Labeling (5)
 - Nutrition and Labelling (7)
 - Observers (16)
 - Pesticides (3)
 - Standards (67)
 - World Food Safety Day (86)

World Food Safety Day celebrated at Nitte University, India, with an oration by Prof Alan Reilly

11/05/2021

As a multidisciplinary University offering a Masters Programme in Food Safety and Biotechnology, Nitte University in Mangalore considered it very important to highlight the importance of food safety by celebrating World Food Safety Day on 7 June 2021. The highlight of the celebration was an oration by Professor Alan Reilly, former CEO of the Food Safety & Health of Ireland.

Source: Snap shot from codex Alimentarius website



National authorities need to identify and prioritize critical areas of work in food sector and establish Food Safety Emergency Response Plans. There is a requirement of a robust contingency plan for communication i.e. having dedicated websites and food industry liaisons on food related risks as the integrity of food supply chain is vulnerable to food frauds during pandemic.

Covid-19 is not transmitted by food, says WHO expert

MANGALURU, DHNS: "Food has not been implicated in the transmission of Covid-19," former CEO of Food Safety Authority of Ireland and WHO expert Prof Alan Reilly stressed, while delivering the Nitte University's 'World Food Safety Day Oration - 2021'.

Prof Alan Rielly spoke on 'Strenthening National Food Safety Systems – Challenges in the Era of Covid-19'.

He outlined the theme of 'World Food Safety Day 2021 -- Safe Food Now For A Healthy Tomorrow' and explained how food safety is a shared responsibility of all operators in the foodchain from primary production to final consumption.

He elaborated food safety challenges during Covid-19 particularly with evidence coming regarding the role of aerosols in spread of SARS CoV2 and the associated risks to food processing personnel. He emphasised that food has not been implicated in transmission of Covid-19.

Prof Alan Reilly also spoke about the importance of adopting one health approach involving medical, veterinary and environmental specialists in managing food safety issues in the context of emergence of zoonotic diseases as a major public health issue.

Nitte University Vice Chancellor

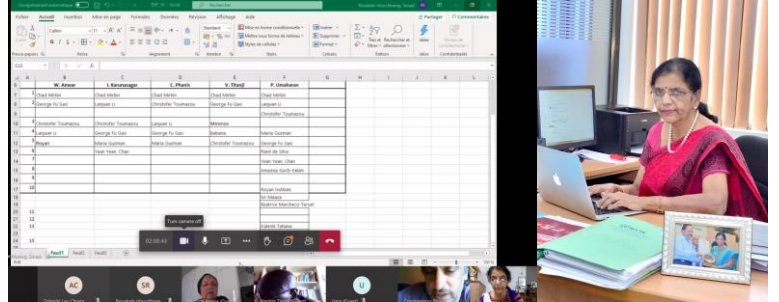
Dr Satheesh Kumar Bhandary highlighted the challenges for implementing food safety in India and measures being taken in the University to ensure that safe and nutritious food is delivered to the students residing in hostels in the University campus.

The event was organised under the Technology Enabling Center funded by the Department of Science and Technology, Government of India. Dr Iddya Karunasagar, advisor, Research, highlighted the importance being given to food-related technologies in the Technology Enabling Center and the relevance of World Food Safety Day.

TEC GOES INTERNATIONAL



Dr Iddya Karunasagar has been appointed as a member of WHO Advisory Group on Critically important Antimicrobials for Human Medicine for a period of three years.



The five member expert international jury of UNESCO nominated for a 6 year term comprising Prof Dr. Indrani Karunasagar, India, Prof Dr Vincent Titanji, Cameroon, Prof Dr Wagida Anwar, Egypt, Prof Dr Umaharan, West Indies and Prof Dr Constantino Phanis, Cyprus met to select awardees for the Equatorial New Guinea International life Science prize of UNESCO

SCIENCE Broadcast

Covid-19 awareness to general Public



Prof Dr Iddya Karunasagar was interviewed for his expert opinion on delta plus variants of Covid-19 which streamed in Digvijay 24X7 - June 23 2021
[YouTube link](#)



Prof Dr Iddya Karunasagar was interviewed for his expert opinion on the topic 'A gain of function project in Covid-19 context' which streamed in India Ahead - 01 June 2021
[YouTube link](#)



Prof Dr Iddya Karunasagar was also interviewed for his opinion on outbreak of Covid-19 cases in Kerala which streamed in Digvijay 24X7 - 09 July 2021

Miyawaki Urban Forestry Project

The geotagging of nearly 600 saplings that were planted at the Government Higher Primary School Golihattu near Nelyadi, was done as a part of a study to compare a normal forest with the Miyawaki forests or the urban forests that are gaining popularity across India. Dr Smitha Hegde and her team at TEC are assisting the local communities to evaluate the viability of Miyawaki forestry project with use of technology. They geo-tag the trees using precision GPS and monitor their growth over a period of time. They also measure the height and girth of the trees in progression to evaluate their carbon sequestering capacities. Geographical tagging, also known as geotagging, is the process of adding geographical identification data. This data consists of latitude and longitude coordinates. The coordinates could then be used to identify the geo-tagged tree and monitor them through satellite. Smitha Hegde has also authored a paper and submitted it to the Indian forester about Miyawaki forests in Mangaluru. Currently, she has data of more than 3,000 trees.



The need for community involvement in societal projects



Dr Smitha and the team conducting field work: 03 September 2021

Miyawaki Urban forestry is a recent trend in urban afforestation. This style of tree planting facilitates high density planting of native trees in a distance of one to two feet between the trees. The trees planted in this style are fast growing and demonstrate upright growth in competition with each other.



“We have already geo-tagged two Miyawaki forests near Konaje and Mangaladevi and two regular forests developed in a crematorium. Since these sites are in the urban area, we decided to take up the geotagging along with a normal forest so that we have a comparison of the urban and rural areas. The purpose is to see if Miyawaki forests actually grow faster and suit the Indian condition. Since they are planted so close together, I am interested in understanding their synergy and the tree to tree talk, how different species behave when they are together or apart. Maybe, in the future if someone wants to take up Miyawaki, we can give them data on the species that grow well. We are trying to generate some data, and find out if it truly works and if it works, what is the right combination and want to compare the data for a period of 10 years.”

Webinar to commemorate World Food Safety Day 2021

"Promoting Food Safety and Human Health"

Speaker



Dr. Iddya Karunasagar
Senior International Food Safety Consultant
Former FAO Senior Fisheries Industries Officer
Mangalore

Speaker



Dr. Sanu Jacob
Director (Lab Training And Surveillance)
FSSAI, New Delhi

Organized by :



Dept. of Fish Quality Assurance & Management
Fisheries College & Research Institute
Tamil Nadu Dr. J. Jayalalithaa Fisheries University
Thoothukudi - 628008



Professional Fisheries Graduates Forum
Mumbai

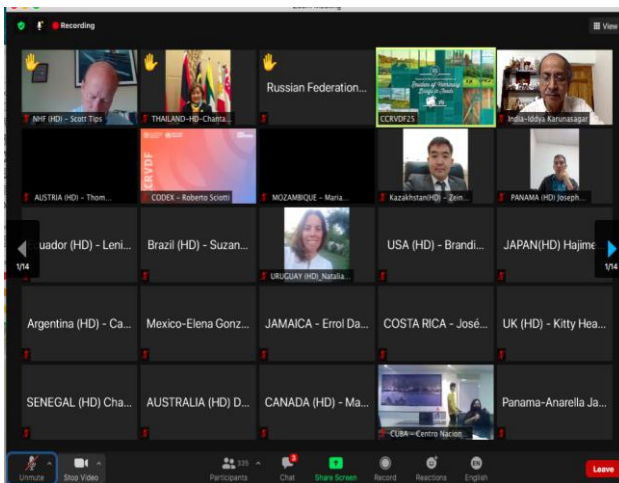
7 June 2021 ; 7:00 – 9:00 pm

Topics to be discussed.....

1. Food safety - a shared responsibility
2. Safe and right food for a healthy lifestyle

Free Registration!!! Google Meet Link : <https://meet.google.com/rdd-utsd-qaj>

Prof Dr Iddya Karunasagar was an invited speaker in the webinar to commemorate world food safety day on 07 June 2021 on the topic Promoting Food Safety and Human Health. He reminded the participants that food safety is a shared responsibility and every individual has a responsible role.



The 25th Session of the Codex Committee on Residues of Veterinary Drugs in Foods (CCRVDF) conducted a virtual seminar during 12-16 July 2021 which included 400 delegates from 186 Codex member countries. Prof Dr Iddya Karunasagar was nominated as part of the Indian delegation

Prof Dr Iddya Karunasagar, delivered an expert lecture on 'Opportunities in improving overall quality in the Fisheries sector' and participated in the Q&A session during the webinar on Standard, Certification, and Traceability In Fisheries Sector organized by Department of Fisheries, Ministry of Fisheries, Animal Husbandry & Dairying, Govt. of India on 29 June 2021




COVID-19

Get the latest information from the Ministry of Health and Family Welfare.

[LEARN MORE](#)

ASPIC broadcast Prof Dr Iddya Karunasagar gave a talk on COVID-19 & SARS CoV-2 Variants in ASPIC broadcast series organised by ASPIC Club Yuvaraja's College, Mysuru on 13 June 2021

[YouTube Link](#)



Tamil Nadu Dr.J.Jayalalithaa Fisheries University
Dr. MGR Fisheries College & Research Institute
Thalainyeru, Nagapattinam District, Tamil Nadu

National Webinar on

Knock-on Effects of Climate Change in Increasing Incidence of Seafood-borne Pathogens and Toxins

Time : 2.00 pm – 05.30 pm
Date : 4th August, 2021

Organizing Committee

Patron
Dr. G. Sugumar, Ph.D
Vice Chancellor

Convener
Dr. S. Balasundari, Ph.D
Dean

Organizing secretary
Dr. V. Alamelu, Ph.D
Assistant Professor


Programme Coordinators
Mrs. S. Vimaladevi, Assistant Professor
Mr. V. Vijayarhavan, Assistant Professor

Registration Fees
Students - Rs. 100/-
Others - Rs. 300/-

Registration Link:
<https://forms.gle/NSFaxNIVQ2acmY848>

Bank: Indian Overseas Bank, Nagapattinam
Name: Dean
Account Number: 006201000073000
IFSC : IOBA0000062

Speakers



Climate change and global dissemination of pathogenic *Vibrio* spp.
Dr. Iddya Karunasagar
Advisor (Research and Patents), Nitte University
Mangalore, India.



Harmful algal blooms and climate change
Dr. Indrani Karunasagar
Director (Research and Patents), Nitte University
Mangalore, India.



Emerging seafood safety issues under climate change scenario
Dr. H. Sanath Kumar
Principal Scientist (Microbiology), PHT
ICAR-CIFE, Mumbai, India.

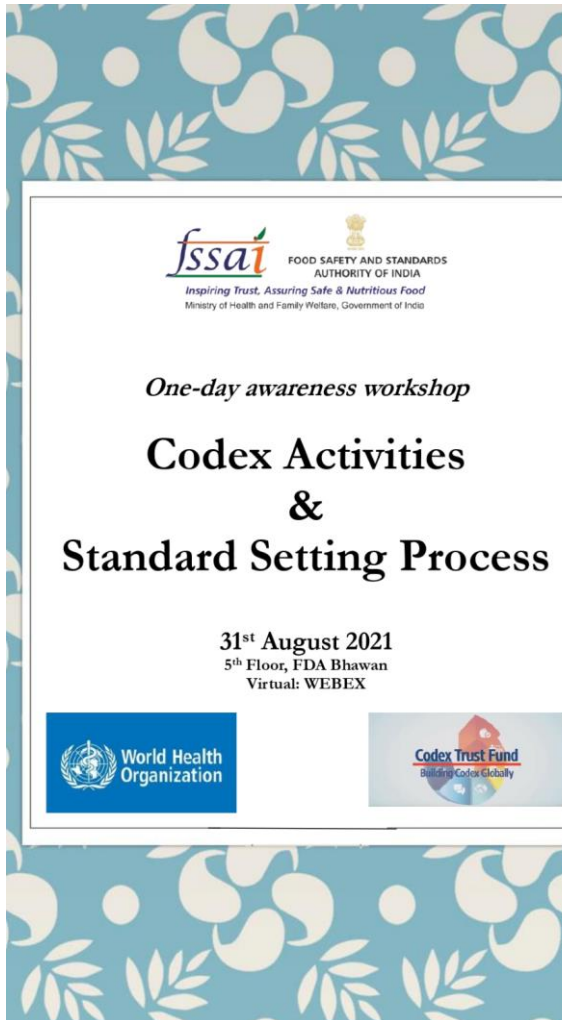


Developing climate - resilient, sustainable seafood value chain to ensure food safety and security
Dr. Amit Morey
Associate Professor, Auburn University, USA.



Effects of climate change on prevalence and control of vibrios in seafood with special reference to molluscan shellfish
Dr. Salina Parveen
Professor, Food Science and Technology Program
University of Maryland, USA.

A national webinar on 'knock on effects of climate change in increasing incidence of seafood borne pathogens and toxins' was held on 02 August 2021. Due to their vast experience in the field of *Vibrio* pathogens, climate change and algal blooms, Prof Dr Iddya Karunasagar and Prof Dr Indrani Karunasagar were invited to delivered talks relevant to the topic of the webinar.

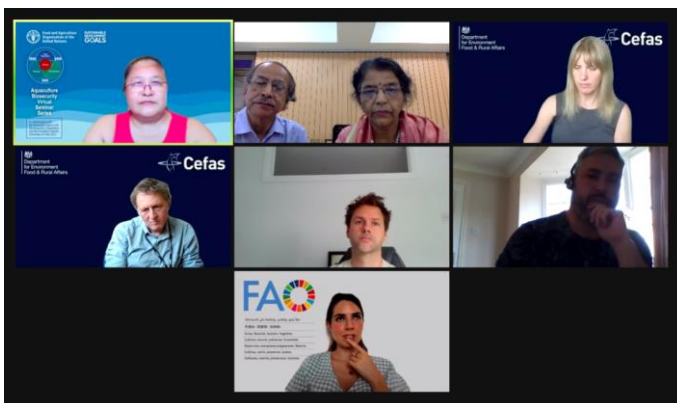


Tentative Programme

Mode: Virtual

10:00 A.M. -10:20 A.M.		Inaugural Session
Introduction & Welcome Address	Advisor, S&S, FSSAI	
Address	Chief Executive Officer, FSSAI	
Inaugural Address	Chairperson, FSSAI	
10:20 A.M. - 10:30 A.M		BREAK
10:30 A.M. - 11:10A.M		Introduction to Codex
Introduction to Codex <i>(W' hat, W' by & for W' hom)</i>	Ms. Vinod Kotwal , Member-Secy. , NPPA	
11:10 A.M - 11:50 A.M		Codex Process & Risk Analysis framework
Standard Setting & New Work Proposals	Shri. P. Karthikeyan, Deputy Director, FSSAI	
JECFA	Dr. V. Sudershan Rao, Dy Director (Retd.) National Institute of Nutrition	
JEMRA	Dr. I. Karunasagar, Senior International Food Safety Consultant	
JMPR	Dr. D. Kanungo, Additional Director General (Rtd, Ministry of Health and FW	
11.50 A.M.-01:00 P.M		Connecting Codex & India
NCCP & Regional coordination <i>(CCASLA, Codex Trust Fund & Regional positions)</i>	Shri. P. Karthikeyan, Deputy Director, FSSAI	
	Ms. Sakshee Pipliyal, AD (Tech), FSSAI	
	Ms. Sunaina Verma, TO, FSSAI	
01:00 P.M- 02:00 P.M		LUNCH
02:00 P.M –02:30 P.M		Connecting Codex & You
How can you get involved in Codex through NCCP?	N.C.C.P. Officials	
02:30 P.M-03:00 P.M		Q/A Session
Answering questions of Participants	Resource Persons	
Closing Remarks		

Prof Dr Iddya Karunasagar, FSSAI scientific panel member was a resource person at an awareness workshop on 'Codex Activities and Standard setting Process' organized by Food Safety and standards Authority of India on 31 August 2021 wherein he presented a talk on 'Codex process and Risk analysis framework'



Dr Iddya Karunasagar and Dr Indrani Karunasagar participated as experts in the FAO meeting on 'AMR surveillance' held on 28 June 2021 with a follow up on 19 July 2021

HANDHOLDING AND MENTORING PROJECTS



IIC, 18 September 2021



K S Hegde Hospital, 12 August 2021



CEC, 06 August 2021



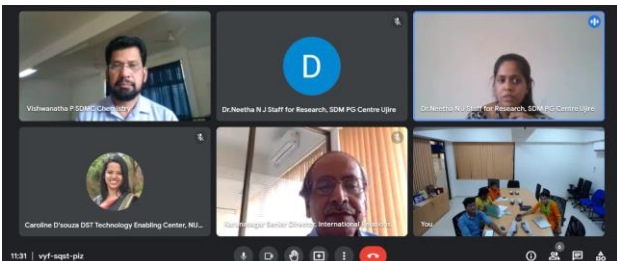
NUCSER, 10 August 2021



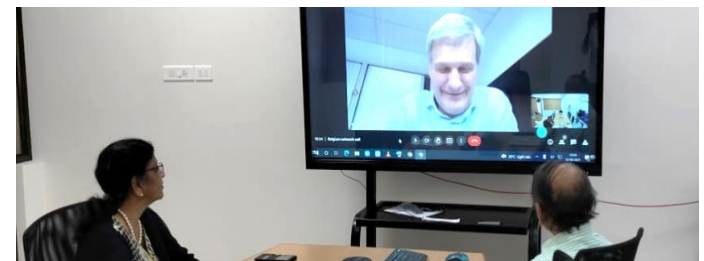
CEC, 07 September 2021



NUCSER, 11 August 2021



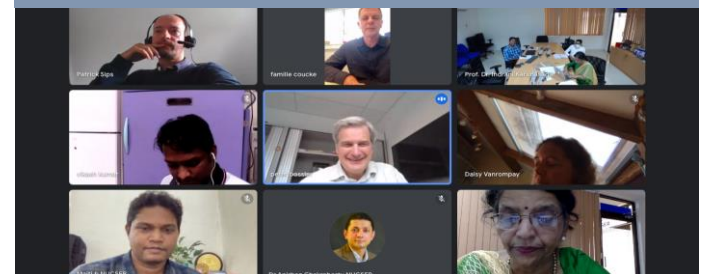
Research collaboration between Nitte (DU) and SDM, Ujire 05 August 2021



Discussion between DST TEC mentors and PI, Gent University on developing Indo-Belpso project – 10 August 2021



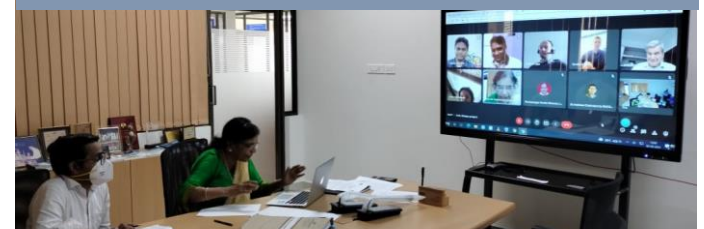
Mentoring project for SDM, Ujire 12 August 2021



DST TEC mentors, investigators from NUCSER, CIFRI and Gent University - Indo-Belpso project – 26 August 2021



Collaborative project submitted by SDM, Ujire and NUCSER – 27 September 2021



Finalizing the Indo-Belpso project – 04 September 2021

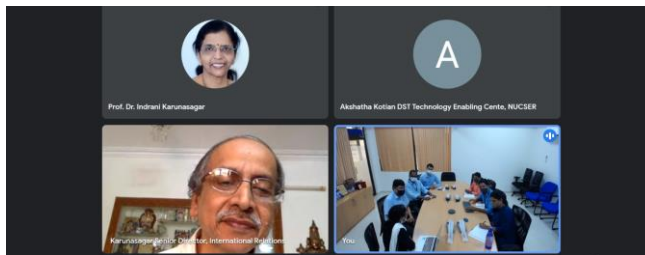
IPR SUPPORT – PATENTS AND COPYRIGHTS



ABSMIDS, 02-08-2021



ABSMIDS 29-06-2021



ABSMIDS, 14 July 2021



ABSMIDS, 17 August 2021



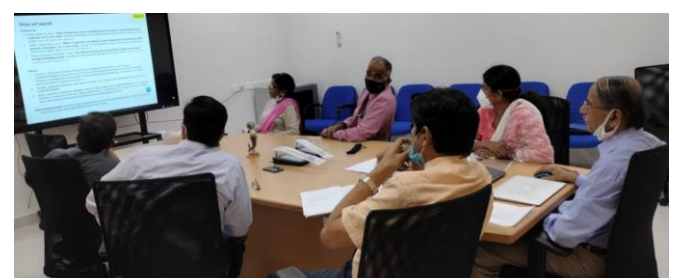
NGSMIPS, 18 September 2021



ABSMIDS, 17 August 2021



ABSMIDS, 09 September 2021



Patent Evaluation, 24 September 2021

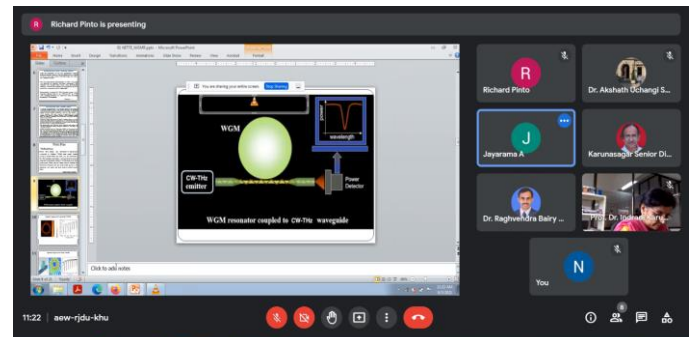
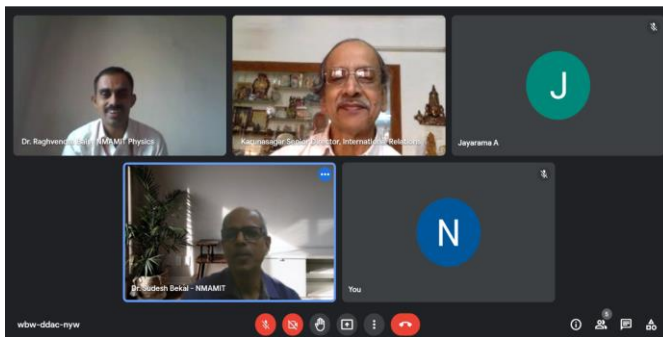
**DST NU-TEC is glad to help you with entire IPR process
Contact details**

Dr Iddya Karunasagar
Advisor (Research and Patents)
Email: iddya.karunasagar@nitte.edu.in

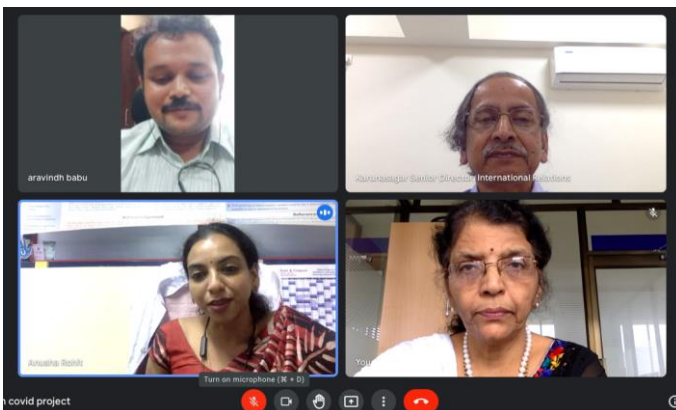


Formulation of a collaborative interdisciplinary project on 'gut microbiome manipulation with probiotic' between KSHEMA and NUCSER - 10 July 2021

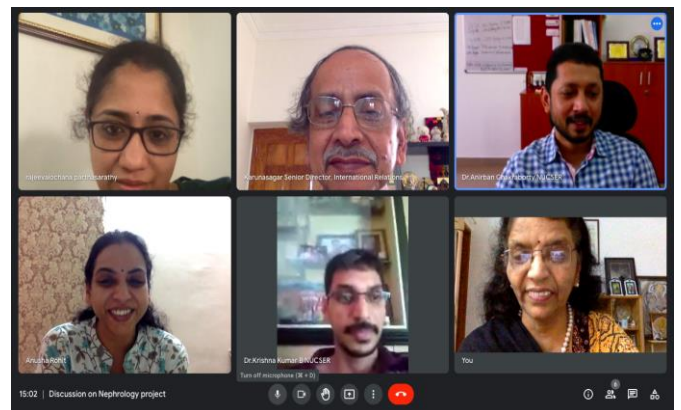
ENABLING COLLABORATIVE TRANSLATIONAL RESEARCH PROJECTS THROUGH MENTORING



Collaborative multi-disciplinary project on 'Design, fabrication, characterization of whispering gallery mode resonator device for the detection of biomolecules' between Alva's Institute of Engineering & Technology (AIET), NMAMIT and NUCSER - 28-July-2021 through 03-August-2021



Discussion on developing an interinstitutional project on SARS-CoV-2 between MMM, Madras Veterinary College and NUCSER facilitated by DST NU-TEC - 22 June 2021



Initiation of discussion of a project on 'Donor-derived cell-free DNA as a non-invasive marker of allograft rejection in kidney transplantation cases' with MMM and NUCSER - 01 August 2021

TEC advisors/ team

Dr Satheesh Kumar Bhandary

Vice-Chancellor

Dr M.S. Moodithaya

Pro-Vice-Chancellor

Dr Alka Kulkarni

Registrar

Dr Iddya Karunasagar

Advisor-Research & Patents

Dr Indrani Karunasagar

Director-Projects & DST NU-TEC

Dr Anirban Chakraborty

Director NUCSER

Dr Smitha Hegde

Coordinator

Dr Krishna Kumar B

Co-coordinator

Dr Mamatha BS

Co-coordinator

Dr Feby Luckose

Principal Project Associate

Editorial team

Dr Caroline DSouza

Senior Project Associate

Ms Akshatha K

Junior Project Associate

Mr Anoopkrishna K

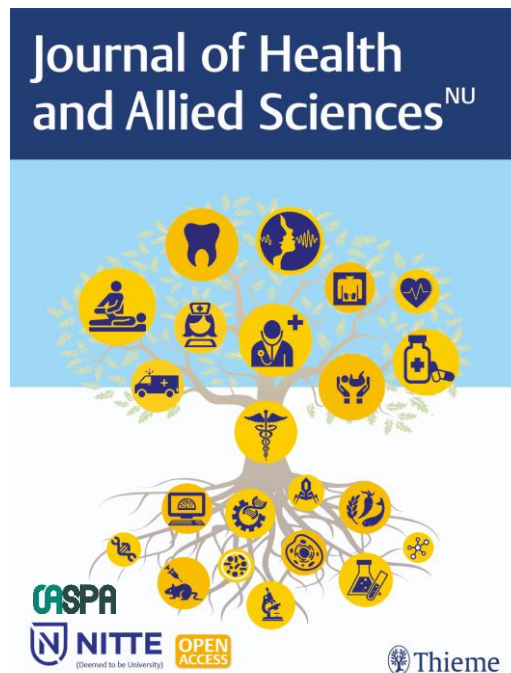
Junior Project Associate

Dr Poorani Gananathan

Scientist Grade I

Our motto - Science for societal benefits

DST NU-TEC



***Innovation happens at the intersection of people
process, technology, customers and business ecosystem***

Pearl Zhu

DST NU-TEC, Nitte (Deemed to be University), Paneer Campus, Deralakatte, Mangaluru-575018

✉ dstnutec@nitte.edu.in www.nitte.edu.in www.dstnutec.in ☎ 0824-2204211