



## Induction orientation programme conducted for newly recruited Scientists and Technical Officers of ICMR-NIN (11<sup>th</sup> March).



## PGCCN Valedictory Function (17<sup>th</sup> March)

- Valedictory function of the 58<sup>th</sup> batch of the annual 10-week Post-graduate Certificate Course in Nutrition (PGCCN) was held on 17<sup>th</sup> March. A total of 21 candidates drawn from diverse disciplines have completed their training this year. Certificates were presented to the candidates. Dr. B. Janaki, Nutritionist was the Guest of Honour. Dr. A. Laxmaiah, Head, Public Health Nutrition Division, Dr. C. Suresh, Head, Cell Biology Division, and Dr. M. Maheshwar, Head, Extension & Training Division addressed the out-going candidates. Students shared their views about the programme.



## World Obesity Day

- On the occasion of World Obesity Day an E-dialogue series on "LetsFixOurFood" was launched with an aim to Advance India's Young People's Right to Healthy Foods and Healthy Environments on 4<sup>th</sup> March. The first E-dialogue in the series was on 'Restricting Advertising and Marketing of Unhealthy Foods and Beverages to Children'. ICMR-NIN in collaboration with Indian Council of Medical Research, UNICEF India, NITI Aayog, Public Health Foundation of India (PHFI), Deakin University YuWaah - Generation Unlimited India, Ministry of Health and Family Welfare, GoI, Ministry of Women & Child Development, GoI, World Health Organization (WHO) and World Food Program USA are organizing this E-dialogue series.

**WORLD OBESITY DAY-2022**  
**LAUNCH WEBINAR**  
MARCH 4, 2022 | 1500-1700 HOURS  
RESTRICTING ADVERTISING AND MARKETING EXPOSURE OF UNHEALTHY FOODS AND BEVERAGES TO CHILDREN

**Let's Fix Our Food**  
ICMR-NIN E-Dialogues Series

**15:00-15:10** **Welcome Address and Flagging the Issues**  
Dr. Hemalatha R  
Director, ICMR-NIN  
Hyderabad, India

**Background and overview of Let's Fix Our Food E-Dialogue Series**  
Dr. Subhakar M Ganesan  
Nutrition, Information, Communication and Health Education (NICHE) Division, ICMR - National Institute of Nutrition  
Hyderabad, India

**15:10-15:40** **PRESENTATION**  
**Restricting advertising and marketing of unhealthy foods to Indian children**  
**Essential opportunities**  
Dr. Manjula Anura  
Health Promotion Division, Public Health Foundation of India, India  
**Clinical experience on "Sugar works"**  
Floralaine Martins, PhD  
Global Obesity Centre (GLOBE), Deakin University, Australia

**15:40-19:00** **PERSPECTIVES**  
**What needs to be done, now?**  
**Advertising of unhealthy foods**  
Dr. Srinath Reddy  
President, Public Health Foundation of India, India  
**A 100-degree perspective on promoting healthy food consumption**  
Dr. Bhaskar  
Advisor, Food Safety and Standards Authority of India (FSSAI)

**Public Perspectives**  
Dr. Neeta Bhatia  
Senior Specialist, NITI Aayog

**Dr. Hemalatha R**  
Director  
ICMR-NIN

**Dr. Subhakar M Ganesan**  
Senior A & HD, NICHE  
ICMR - NIN

**Dr. Manjula Anura**  
Health Promotion Division  
PHFI, India

**Floralaine Martins, PhD**  
GLOBE  
Deakin University, Australia

**Dr. Srinath Reddy**  
President  
PHFI, India

**Dr. Bhaskar**  
Advisor  
FSSAI

**Dr. Neeta Bhatia**  
Senior Specialist  
NITI Aayog

## Nutrition Awareness Program by M.Sc. students

- A Nutrition awareness program was conducted by the 1 year students of M.Sc. (Applied Nutrition) for the school children aged 11-14 years studying at Govt. Girls High School, Lalapet (23<sup>rd</sup> March) and Model High School, Osmania University (30<sup>th</sup> March). The program was conducted to impart nutrition education to school children and to increase their awareness about eating right. The school going age is a very important period as it is a growth period and nutritional requirements are high and may be compromised. Nutrition disorders occur mainly due to lack of awareness hence, this program was organized to teach the children the importance of a balanced diet and the adverse effects of nutritional deficiencies especially micronutrient deficiencies. The program included an interactive session during which the students from NIN used colorful visual aids to teach the importance of healthy eating and physical activity.



## WEBINARS/ MEETINGS ORGANIZED/ PARTICIPATED

- 12<sup>th</sup> Maternal Nutrition E-dialogue on 'Nutrient Requirements 2020 and its Implications for Public Health Interventions' was held on 24<sup>th</sup> March.

**Maternal Nutrition E Dialogue Series**  
Strengthening maternal nutrition assessment and services in antenatal care in India

**Nutrient Requirements 2020 and its implications for Public Health Interventions**  
March 24, 2022 3:00-5:00 PM

  
Dr. Teema Das

  
Dr. Hema Divakar

  
Dr. Anura Kurpad  
IISc

  
Dr. Raghu Pullakhandam

  
Dr. K. Madhavan Nair

  
Dr. Suparna Ghosh Jerah

To be confirmed: Dr. K. Madhavan Nair, Dr. Suparna Ghosh Jerah

**Convenors**









**Partners**

Webinar on Happiness is a choice-  
So is stress (7<sup>th</sup> March)



### **Dr. Hemalatha R, Director**

- Delivered welcome address and flagging the issues at the launch of the first E-dialogue in the series on World Obesity Day on 'Restricting Advertising and Marketing of Unhealthy Foods and Beverages', organized by ICMR-NIN, UNICEF, WHO, WFP, Institute of Economic Growth and PHFI (4<sup>th</sup> March).
- Participated and contributed during the discussion on the relevance of the recommendations from the Health and Climate Network (HCN) Briefing: 'Diet and Food Systems for Health, Climate and Planet', organized by Centre for Environmental Health, Public Health Foundation of India (7<sup>th</sup> March).
- Discussed on Support for building institutional and individual capacity for nutrition and to explore potential for a 'Data alliance' for Public health nutrition with Dr.Rajan Shankar, TATA Trusts and Advisor, BMGF India Country Office (9<sup>th</sup> March).
- Attended the Second meeting of Task Force for Nutra Sector, organized by Office of the Principal Scientific Adviser to Gol and CSIR (9<sup>th</sup> March).
- Attended the 1<sup>st</sup> Meeting of the Technical Advisory Committee on Evaluation of National Food Security Act (NFSA), 2013, organized by NITI Aayog (9<sup>th</sup> March).
- Meeting with Director General, ICMR with all the Directors regarding the implementation plan of the new ideas as presented before the Health Minister, organized by ICMR (10<sup>th</sup> March).
- Delivered NIN's views at the Brainstorming Session on 'Food Fortification Issues and Way Forward', organized by National Academy of Agricultural Sciences, New Delhi (11<sup>th</sup> March).
- Signing of MoU between ICMR-NIN and P.V. Narasimha Rao Telangana Veterinary University, Hyderabad (11<sup>th</sup> March).
- Participated in the Second Meeting regarding presentation of project proposal titled, 'Comprehensive Mapping of Nutrition and Health Biomarkers of Population: A Pan India Study' with the experts, organized by ICMR (23<sup>rd</sup> March).
- Took part as Chief Guest at the Inaugural Session and delivered Inaugural Presidential Address and Keynote address at the National Scientific Conclave of Nutrition of Society, Nagpur Chapter (26<sup>th</sup> March).
- Chaired the meeting with the International Union of Nutritional Sciences (IUNS) committee members to discuss the ISC related issues raised by the National Committees (29<sup>th</sup> March).
- Participated in the consultation meeting on "Growth Assessment of Indian Children: Need for India Specific Growth Standards", organized by ICMR, New Delhi (30<sup>th</sup> March).

### **Dr. A. Laxmaiah**

- Attended International Symposium on Advances and Challenges in maternal and Infant Nutrition – organized by NSI, Chennai chapter and given valedictory address (5<sup>th</sup> March).
- Attended online CME for the participants of Paediatric Academic of Telangana State (PATS) – and delivered lecture on "Childhood and Adolescent Obesity & Diet and Management" on the occasion of World Obesity Day (5<sup>th</sup> March).
- Attended as Chief Guest in the Valedictory Function of National Scientific Conclave of NSI (Nagpur Chapter) – "Cutting Edge Recent Advances in Nutrition" (26<sup>th</sup> March).
- Delivered lecture on "Findings of Serosurvey in TS and Nutrition, Infection and Immunity" at the National Conference on "Impact of Covid-19 Pandemic on Public life and future challenges" organized by MAA Research Foundation, Hyderabad (27<sup>th</sup> March).

### **Dr. J. Padmaja Rambabu**

- Participated as an expert member virtually in the Food Additives and contaminants Sectional Committee meeting of FAD 8 (2<sup>nd</sup> March).

### **Dr. Challa Suresh**

- Delivered a talk on "Nutrition and Health Management" at a conference held at Berhampur University on "Frontiers in Biological Sciences" (28<sup>th</sup> Feb – 1<sup>st</sup> March).

### **Dr. SubbaRao M Gavaravarapu**

- Conducted the launch of the first e-dialogue in the 'Let's Fix Our Food' series on 'Restricting Advertising and Marketing of Unhealthy Foods and Beverages to Adolescents' on the World Obesity Day and moderated the discussion (4<sup>th</sup> March).

- Deputed by the Director to deliver a talk in Telugu on "Nutrition and Women's Health" at a seminar organized on the occasion of Women's Day by the Women Development Cell of Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad (8<sup>th</sup> March).
- Participated as a Fellow in the Brainstorming Session on "Food fortification issues and way forward" conducted by the National Academy of Agricultural Sciences (NAAS) virtually (11<sup>th</sup> March).
- Attended as a member in the 41<sup>st</sup> meeting of the Scientific Panel on "Labelling & Claims/ Advertisements" at Food Safety and Standards Authority of India (FSSAI), New Delhi (14<sup>th</sup> March).
- Invited to conduct a virtual workshop on 'Research in Health Communication' as part of the Faculty Development Programme for the faculty members and research scholars of the Faculty of Media and Communication (FOMC), Symbiosis International (Deemed University), Pune (24<sup>th</sup> March).

#### **Dr. II. Meshram**

- Attended SNP-Technical committee meeting organized by DWCD, Madhya Pradesh to finalize THR given to mothers and children under ICDS (29<sup>th</sup> March).

#### **Dr. P. Raghu**

- Attended online "Brainstorming Session on 'Food Fortification: Issues and Way Forward' organized by National Academy of Agriculture Sciences, India (11<sup>th</sup> March).
- Presented online talk on Nutrient requirements and its implications at XVII National Scientific Conclave organized by NSI, Nagpur (27<sup>th</sup> March).

#### **Dr. Sanjay Basak**

- Participated workshop virtually on "The CRISPR health revolution" an incredible promise of CRISPR gene editing for human health by Prof Jennifer Doudna, University of California, Berkeley organized by Frontiers Forum, Avenue du Tribunal-Fédéral, Switzerland (31<sup>st</sup> March).

#### **Dr. M. Radhika**

- Attended the virtual meeting on "Brainstorming Session on 'Food Fortification: Issues and Way Forward' organized by National Academy of Agriculture Sciences, India (11<sup>th</sup> March).
- Attended the virtual meeting "National Level Expert Committee Meeting to review Cooking Cost in the Pradhan Mantri Poshan Shakti Nirman (PM POSHAN)" (16<sup>th</sup> March).

#### **Dr. K. Rajender Rao**

- Invited as a guest of honor & speaker and delivered a talk on "We are what we Eat" organized by Departments of Science, Mahatma Gandhi University, Nalgonda Telangana, India on the occasion of National Science Day (28<sup>th</sup> Feb).

### **PAPERS PUBLISHED/ ACCEPTED FOR PUBLICATION**

- Basak, S., Banerjee, A., Pathak, S., & Duttaroy, A. K. (2022). Dietary Fats and the Gut Microbiota: Their impacts on lipid-induced metabolic syndrome. *Journal of Functional Foods*, 91, 105026. doi: <https://doi.org/10.1016/j.jff.2022.105026> (Impact factor 4.451)
- Gavaravarapu SRM\*, Banerjee P, Seal A, Reddy TR, Pittla N. Impact of 'Infodemic in Pandemic' on food and nutrition-related perceptions and practices of Indian internet users. *PLOS ONE* (IF – 3.24)
- Lakshmi Jaya Madhuri B, Neelima Ayyalasomayajula, Lokesh Murumulla, Prasanna Kumar Dixit and Challa Suresh. 2022. Defective mitophagy and induction of apoptosis by the depleted levels of PINK1 and parkin in Pb and  $\beta$ -amyloid peptide induced toxicity. *Toxicology Mechanisms and Methods*. <https://doi.org/10.1080/15376516.2022.2054749>; IF 2.987
- Lakshmi Jaya Madhuri B, Neelima Ayyalasomayajula, Murumulla Lokesh and Suresh Challa; 2022; Mechanisms associated with the dysregulation of mitochondrial function due to lead exposure and possible implications on the development of Alzheimer's disease. *Biometals*; Springer Nature; DOI: 10.1007/s10534-021-00360-7; IF 2.978
- Mohammed S, Qadri SS, Mir IA, Kondapalli NB, Basak S, Rajkumar H. Fructooligosaccharide ameliorates high-fat induced intrauterine inflammation and improves lipid profile in the hamster offspring. *The Journal of Nutritional Biochemistry*. 2022 Mar 1;101:108925.
- Padmaja Rambabu Jonnalagadda\*, Srujana Medithi, Summaiya Lari, Kalyan Chinthanuri, Yogeswar Dayal Kasa, Raju Nagaraju, Janardhan Vanka, Venkaiah Kodali Assessment of chemical contaminants in fresh and

packaged tender coconut (*Cocos nucifera*) water. Short Communication Czech Journal of Food Sciences. <https://doi.org/10.17221/200/2021-CJFS>.

- Palika, Ravindranadh, Teena Dasi, Santu Ghosh, Rajini Peter, Devraj J. Prasannanavar, Anju Sinha Pradhan, Anura V. Kurpad, Harshpal Singh Sachdev, Bharati Kulkarni, and Raghu Pullakhandham. "Efficacy of iron-folic acid treatment for reducing anemia prevalence and improving iron status in women of reproductive age: A one-year longitudinal study." *Clinical Nutrition ESPEN* (2022).
- Prasad SMVK, Srinivasulu Kommu, Dinesh Yadav, Suresh Kondeti, Rajender Rao Kalashikam, Saravanan Natarajan (2022) Effect of different dietary fats on inflammation and glucose intolerance in high fructose and high fat fed experimental animals. *Hormone Mol Biol Clin Investig.* 2022 Mar 31. DOI: 10.1515/hmbci-2021-0061.
- Rajesh Kumar RAI, Sandhya S Kumar, Sourav Sen Gupta, Devraj J Parasannanavar, Thekkumkara Surendran Nair Anish, Anamitra Barik, Rajeev Kumar Varshney, Hemalatha Rajkumar. Shooting shadows: India's struggle to reduce the burden of anaemia. *British Journal of Nutrition*, 2022. DOI: <https://doi.org/10.1017/S0007114522000927>.
- Seal A, Gavaravarapu SRM\*, Konapur A. Can foodporn prime healthy eating? Thinking beyond digital gazing and satiety. *European Journal of Clinical Nutrition* (IF – 4.016). Online Ahead of Print - <https://www.nature.com/articles/s41430-022-01139-w>

## JOURNAL CLUB

**Mr. Krishna Kalyan K** [UGC-JRF] Biochemistry Division presented the plan and progress of his PhD work "Studies on a Functional Food Formulation for Diabetes and its Complications" (25<sup>th</sup> March).



## STAFF NEWS

### Congratulations

- **Dr. J. Padmaja Rambabu**, Scientist F on being awarded the Woman Achiever Award for Excellence in Science by the Indian Red Cross Society, Hyderabad on the occasion of International Women's Day 2022.
- **Dr. Sanjay Basak's** paper entitled "Plastics derived endocrine-disrupting compounds and their effects on early development" published in the *Journal of Birth Defects Research* was declared as **Top Cited Article** by the Wiley publisher (John Wiley & Sons, Inc.) during 2020-2021.



### PhD awarded

- **Mr. Virendra V. Panpatil** has been awarded with PhD degree in Biochemistry by Osmania University for his thesis work on "Effect of Turmeric on Bisphenol-A Induced Toxicity".
- **Mr. Uday Kumar Ch** has been awarded with PhD degree in Bio-chemistry for his thesis work on "Studies on Obesity associated cardiomyopathy" (Research supervisor: Dr. G. Bhanuprakash Reddy).

### 55<sup>th</sup> NIN-Employees Co-operative Credit Society General Body Meeting (17<sup>th</sup> March)

- Dr. Devindra addressing the 55<sup>th</sup> NIN-Employees Co-operative Credit Society General Body Meeting. Mr. Saibaba & Ms. Anitha Chauhan are also seen.

