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INDIAN COUNCIL OF
MEDICAL RESEARCH
NIN
NATIONAL INSTITUTE
OF NUTRITION

रा.पो.सं. मासिक सूचना-पत्र

NIN Monthly Newsletter

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MoU signed with IIIT, Hyderabad & i-HUB Data Foundation

A tripartite MoU was entered by ICMR-NIN, i-HUB Data Foundation, IIIT, Hyderabad and International Institute of Information Technology (IIIT), Hyderabad. In this connection, Dr. Hemalata R, Director, ICMR NIN and Prof. Deva Priyakumar, Academic Head, iHub Data, and Prof. Raju S Bapi, IIIT, Hyderabad exchanged the signed documents at NIN on 9th February. Dr. K. Venkatesh, Scientist E, ET Division; Dr. M. Maheshwar, HoD, ET Division and Dr.C. Suresh, HoD, Cell Biology & Coordinator, Academic Curriculum Committee were present on this occasion.

IIIT and, ET division of NIN will work towards developing an advanced portable and cost-effective body composition assessment device using Bio impedance technology.



Health awareness programme to GHMC sanitation workers

A series of awareness programme were conducted by the Scientists from Extension & Training Division, ICMR-NIN on "Nutrition, Health, Hygiene and Wellbeing to sanitation workers", organized by Greater Hyderabad Municipal Corporation-GHMC. Dr. M. Maheshwar, Scientist F & HoD, Dr. Sylvia F Rao, Scientist E and Dr. K. Rajender Rao, Scientist F delivered awareness lecture to the sanitation workers. These programmes were conducted in various circles of Kukatpally Zone. Smt. Abhilasha Abhinav, IAS, Kukatpally Zonal Commissioner was present in all the awareness programme.



International Women's Day 2024 Celebrations

As part of the International Women's Day 2024 celebrations, Ms. Prasanna Laxmi, Asst Commissioner of Police, SHE team, Hyderabad, Telangana State Police spoke on PoSH Act & Dr. Bharatendu Swain, Director, Akar Asha Hospitals elucidated cases of empowering women & girls with deformities by reconstructive surgeries. Dr. Hemalatha R, Director, NIN welcomed the guests. Dr. Sylvia F Rao, Scientist E coordinated the event.



Training Programmes

- International Indian Technical and Economic Cooperation (ITEC) Training programme on 'Nutrition Sensitive Agriculture for Addressing Global Malnutrition' aided by Ministry of External Affairs, Government of India at National Institute of Agricultural Extension Management, Hyderabad in association with ICMR-NIN. Participants from 22 countries were attended sessions on nutrition communication, climate change and visited labs.



- Training programme conducted to newly recruited technical staff in the Division of Public Health Nutrition (1-15th March).
- Training programme conducted to MD Community Medicine students from different colleges in Telangana (1-15th March).

- The Division of Public Health Nutrition conducted two weeks training workshop on “Methods of Nutritional Assessment” from 4th to 15th March, in which 16 Medical Post-Graduate residents from AIIMS, Osmania, Gandhi and Siddipet Government Medical Colleges participated.



Dr. HEMALATHA R, DIRECTOR

- Attended a meeting to discuss issues related to anaemia, organized by ICMR and NITI Aayog (1st March).
- Visited Guwahati and Shillong to review the DABS-I field survey (4th & 5th March).
- Invited as a special invitee for the International Women's Day with the theme “Invest in Women: Accelerate progress”, at UGC-Malaviya Mission Teacher Training Centre, Osmania University, Hyderabad (7th March).
- Participated in DABS-I study meeting to understand the calculation of the dietary data, organized by ICMR (4th March).
- Participated in a discussion on 'Do file' with statistical experts of DABS study, organized by ICMR (14th March).
- Participated in a discussion meeting regarding Action Plan on Viksit Bharat Vision@2047 with Secretary, DHR/DG, ICMR (15th, 18th to 21st March).
- Participated in a meeting for revising the Textbook on Human Nutrition (25th March).
- Participated in a Senior Management Team (SMT) meeting with DG, ICMR officials and all Directors of ICMR Institutes, organized by office of DG, ICMR (27th March).
- Participated in a meeting on "Update on running of 'do file' by the State Coordinators, status of data cleaning and quality checks of DABS-I study", organized by Nutrition Division, ICMR (28th March).

Dr. G. BHANUPRAKASH REDDY

- Delivered a talk on the “Role of non-enzymatic glycation in pro-fibrotic mechanisms: A scope for drug development” in the Faculty Development Programme at NIPER-Hyderabad (19th March).

Dr. SUBBARAO M GAVARAVARAPU

- Invited as a Speaker by Food Future Foundation For a Roundtable on Fostering Discussions and Actions Towards A Healthier, More Sustainable Food Future, New Delhi (6th March).
- Participated in 'Let's Fix Our Food Initiative' in an virtual interactive session with Dr. Laura Cobb, Global Head of Resolve to Save Lives (RTSL) (8th March).
- Attended a virtual meeting of the partners on the second phase data collection of NutriAIDE project (8th March).

Dr. K. RAJENDER RAO

- Invited to deliver a talk on “We are what we eat” in the international seminar on “Emerging Interdisciplinary Horizons in Chemical sciences” organized by department of Chemistry government city college, Hyderabad (19th & 20th March).

Dr. B. SANTOSH KUMAR

- Attended 'Deep Dive Cybersecurity' training programme organized by IIPA (Indian Institute of Public Administration), sponsored by ICMR, Headquarters New Delhi from 18th-22nd March. As a part of the group presentations, Dr. B. Santosh Kumar & group won the First prize.



Dr. P. RAGHAVENDRA

- Gave insights on "Sustainable Development Goals in the perspective of Public Health Nutrition – Indian Scenario and the Way Forward" on March 1st at a national symposium on "A Holistic Approach to Sustainable

Food Systems: Integrating Agriculture, Nutrition and Food Safety” organized by Sri Sathya Sai Institute of Higher Learning (SSSIHL), Anantapur.

Dr. VAKDEVI VALIDANDI

- Attended as a speaker for the stakeholder engagement workshop for "National Biomonitoring Programme for Chemical Toxicants" at National Centre for Disease Control, New Delhi, Directorate General of Health Services, MoHFW (14th–15th March).

Dr. S. SREENIVASA REDDY

- Participated in the India-Imperial College Research Roundtable and Workshop on “Gestational Diabetes: Between and Beyond Pregnancy” at Chennai, Tamil Nadu (22nd to 23rd March).

Dr. CHHAVI TALIWAL, Project Assistant Prof. (MSc Nutrition/Sports Nutrition), MYAS-NIN

- Participated and presented six research papers in 7th AMIFOST (Amity Conference of Food Scientists and Technologists)-2024, International Conference on “Recent Advances and Future prospects in formulating a Healthier Food System” organized by Amity Institute of Food Technology, Amity University, Noida (U.P.) (19th –20th March).

Ms. HARIKA VASA, Project Assistant Professor (MSc Nutrition/Sports Nutrition) &

Ms. SHIREESHA MUKKA, Project Teaching Assistant (Biochemistry), MYAS-NIN

- Participated and presented one review paper in 7th AMIFOST (Amity Conference of Food Scientists And Technologists)- 2024, International Conference on “Recent Advances and Future prospects in formulating a Healthier Food System” organized by Amity Institute of Food Technology, Amity University, Noida (U.P.) (19th –20th March).

Ms. G. VENNELA, Ph.D. Scholar, MYAS – Department of Sports Science

- Invited as a speaker at the workshop on “Coaches Development Program” conducted by Mr. Pullela Gopichand, National Coach for the Indian badminton team. She delivered a lecture on “Coach's Guide: Navigating the World of Sports Nutrition,” on 13th March at Pullela Gopichand Badminton Academy, Hyderabad. Around 30 badminton coaches were selected from different states of India for the workshop.



Nikshya Mitra Programme for TB Patients

Under the guidance of Dr. Hemalatha R, Director of ICMR-NIN, an event was conducted at the Uppal TB Center, on 13th March aimed at promoting the adoption of TB patients through the Nikshya Mitra program. During the event, nutrition kits were distributed to 22 TB patients, consisting of essential items such as oil packets, cereals, pulses, groundnuts, and other vital nutrients. The event witnessed the participation of the Chief Guest, Dr. Sylvia F Rao, Scientist-E, ET along with Dr. Santosh Kumar B, Scientist-D specializing in Maternal and Child Health Nutrition and Mr. S. Laxman, Technical Officer & Nodal Officer for the programme.



Awards & Honours

Congratulations!



Dr. G. BHANUPRAKASH REDDY, Scientist-G & Head, has been selected as an Associate Editor of Indian Journal of Medical Research.

7th AMIFOST (Amity Conference of Food Scientists And Technologists)- 2024, International Conference organized by Amity Institute of Food Technology, Amity University, Noida (U.P.) (19th-20th March).



2nd Best Paper Award

Ms. MADDREE RAKSHIT

M.Sc Sports Nutrition, II year. Paper titled "Development and evaluation of energy bar using makhana powder and dates".



3rd Best Paper Award

Ms. BACHU DHANALAXMI

M.Sc Sports Nutrition, II year. Paper titled "Development and characterization of plant based protein bar as a nutritional supplement for athletes: A focus on green gram (*Vigna radiata*)".



3rd Best Poster Award

Ms. SHREYA DHAIMADE

M.Sc Sports Nutrition, II year. Poster titled "Standardization and advancing the development of energy bars for athletes using pumpkin pulp flour".

SC/ST Employees Welfare Association meeting held on 27th March



58th NIN Employees Co-operative Credit Society General Body Meeting held on 15th March. Mr. Srinivas, Technical Officer, and Mr. S. Laxman, Technical Officer were also present.



Papers Published/Accepted for Publication

- Jakhotia S, R Kavvuri, S Raviraj, S Baishya, AK Pasupulati, GB Reddy. Obesity-related glomerulopathy is associated with elevated WT1 expression in podocytes. *Int J Obesity* 2024 Mar 19; doi:10.1038/s41366-024-01509-3. PMID: 38504059.
- Keren, T.H., Gavaravarapu, S.M., Ramesh, B.S. and Yagnambhatt VR. Sports nutrition knowledge, attitude, and practice questionnaire for Indian adolescent athletes—an exploratory sequential mixed-method study. *Sport Sciences for Health* (2024). Springer Nature Publication. <https://doi.org/10.1007/s11332-024-01180-1>
- Meshram, Indrapal Ishwar; Kodavanti, Mallikharjun Rao; Krishna, K Sreerama; Laxmaiah, Avula. Regional variation in the prevalence of undernutrition and its correlates among under five-year children in North India. *Indian Journal of Community Medicine* 49(2):p 322-333, Mar–Apr 2024. | DOI:10.4103/ijcm.ijcm_616_22
- Naveen Kumar R, Balakrishna, Sudershan, Uday Kumar Putcha, Coagulase positive Staphylococci contamination and the risk associated with the production of toxin in foods - An Exploratory Study. *Indian Journal of Dairy Science*. 2024
- Odi BC, Harder MK, Huang Y, Chapman A, Sougou NM, Kolopaking R, SubbaRao Gavaravarapu SRM, Diallo AH, Anggorowati R, Rao SF, Heffernanet C. Sociocultural environmental factors and childhood stunting: qualitative studies – a protocol for the Shared Values theme of the UKRI GCRF Action Against Stunting Hub. *BMJ Paediatrics Open*, 2024; 8: e001906. <https://doi.org/10.1136/bmjpo-2023-001906>
- Sivaprasad M, T Shalini, M Sahay, R Sahay, M Satyanarayanan, GB Reddy. Plasma levels and dietary intake of minerals in patients with type 2 diabetes and chronic kidney disease: a case-control study. *J Trace Elem Med Biol*. 2024; 84: 127425. PMID: 38484635
- Vakdevi Validandi, Srinivasu Kurella, Sumitra gorain, Yamuna Sagubandi, Satish Kumar Mungamuri, Sukesh Narayan Sinha. Exposure assessment and risk characterization of aflatoxins in randomly collected rice samples from local markets of Hyderabad, India. *Food Additives & Contaminants: Part A*. DOI:10.1080/19440049.2024.2339369 (Published online, I.F: 2.9)

The following papers were presented by M.Sc. students of NIN at the 7th International Conference of “Food Scientists and Technologists-2024”, organized by Amity Institute of Food Technology, Amity University, Noida (U.P.) from 19th-20th March.

- Poonam Pramod Nichat, Dr. Chhavi Taliwal, Shireesha Mukka, Dr. Maheshwar Mekam, MYAS, ICMR-National Institute of Nutrition, Dept. of Sports Science. Development of Roselle calyces (*Hibiscus sabdariffa* L) Jelly: A Nutrient Rich Food, under the theme “Next Generation Food”.
- Laxmi Painuly, Wahengbam Milky, Koyel Malik, Dr. Chhavi Taliwal, Dr. Maheshwar Mekam, MYAS, ICMR-National Institute of Nutrition, Dept. of Sports Science. Development and standardization of a carbohydrate rich purple rice-quinoa energy bar, under the theme “Food for Health and Wellbeing”.
- Aastha Prajapati, Sowmya Lokhande, Chandana S.K, Dr. Chhavi Taliwal, Dr. Maheshwar Makem, MYAS, ICMR-National Institute of Nutrition, Dept. of Sports Science. Development of egg nutri-nugget protein cookies for athletes, under theme “Food for Health and Wellbeing”.
- Harika Vasa, Shireesha Mukka, Dr. Maheshwar Makem, MYAS, ICMR-National Institute of Nutrition, Dept. of Sports Science. Exploring the Different Extraction and Quantification Methods of Lecithin and its Applications: A Comprehensive Review, under theme “Next Generation Food”.

Book Review

- GB Reddy. Book Review of 'Annual Review of Nutrition, 2022, Vol 42'. *Curr Sci*. 2024; 126 (5): 607-608

Staff News

RETIREMENT

We bid farewell to the following staff on the eve of their retirement on attaining superannuation.



Mrs. S. A. BRINDA
Technical Officer-C



Mr. SYED ASIF ALI
Laboratory Assistant-1