

SCIENTIFIC PUBLICATIONS - 2020

PAPERS PUBLISHED IN SCIENTIFIC JOURNALS:

1. Ahamed Ibrahim S, Sanjay Basak: Fats in maternal and child health: Regional ISSFAL congress in India. Prostaglandins Leukot Essent Fatty Acids. 156:102092, 2020. **(CI - -) (IF 2.932) (PMID 32272306)**
2. Anil S, Siva SVPS, Suryam Reddy K, Sugeedha Jeyapal, Ahamed Ibrahim: Diets with low n-6:n-3 PUFA ratio protects rats from fructose-induced dyslipidemia and associated hepatic changes: Comparison between 18:3 n-3 and long-chain n-3 PUFA. Prostaglandins Leukot Essent Fatty Acids. 155: 102082, 2020. (doi: 10.1016/j.plefa.2020.102082) 2020. **(CI 2) (IF 2.932) (PMID 32169807)**
3. Bhanuprakash Reddy G, Raghu P, Santu Ghosh , Naveen Kumar B, Shalini T, Laxmaiah A, Hemalatha R, Umesh Kapil, Sachdev HS, Kurpad AV: Vitamin A deficiency among under-five year children in India: an analysis of national data sets to reflect on the need for vitamin A supplementation. *Am J Clin Nutr*. 2020 Dec 16:nqaa314. doi: 10.1093/ajcn/nqaa314. PMID: 33330941. **(CI 20) (IF6.77) (PMID 33330941)**
4. Bidyalakshmi L, Ananthan R, Radhika MS, Naveen Kumar B, Longvah T: Dietary adequacy and nutritional status of Meitei community of Manipur, Northeast India. *Maternal Child Nutr*. **(CI 2) (IF 3.350) (PMID 33347718)**
5. Brahmaiah U, Aparna S, Raja Sriswan M: Comorbidities associated with non-healing of plantar ulcers in leprosy patients. *PLoS Negl Trop Dis*. 14: e0008393, 2020. <https://doi.org/10.1371/journal.pntd.0008393> **(CI 1) (IF 4.4) (PMID 32598386)**
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7. Divya Kumari, Chatterjee A, Virendra Panpatil V, Sandeep Kumar, Sudip Ghosh: Alteration of zinc transporter mRNA expression in zinc depleted condition by TPEN{N,N,Na²,Na²-tetrakis(2-pyridylmethyl)ethylenediamine}: A cell-line based study. *J Nutr Sci Vitaminol*. 66:S304-S307, 2020. **(CI --) (IF 1.35) (PMID 33612614)**
8. Duttaroy AK, Sanjay Basak: Maternal dietary fatty acids and their roles in human placental development. Prostaglandins Leukot Essent Fatty Acids. 155, 102080, <https://doi.org/10.1016/j.plefa.2020.102080>. **(CI 22) (IF 4.006) (PMID 32120190)**
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10. Hemalatha R, Laxmaiah A, Arlappa N, Radhakrishna KV: Mapping of variations in child stunting, wasting and underweight within the states of India: the Global Burden of Disease Study 2000-2017. *EClinicalMedicine*. 22, 2020 100317. **(CI 10) (IF 3.49) (PMID 32510044)**

11. Hemalatha R, Laxmaiah A, Balakrishna N, Raja Sriswan M: Subnational mapping of under-5 and neonatal mortality trends in India: the Global Burden of Disease Study 2000–17. *Lancet*. 395: 1640–1658, 2020. **(CI 22) (IF 59.1) (PMID 32413293)**
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15. Kiran Alluri, Nair KM, Sandeep Kumar K, Sudip Ghosh: Transcriptional regulation of zinc transporters in human osteogenic sarcoma (Saos-2) Cells to zinc supplementation and zinc depletion. *Biol Trace Elem Res*. 194: 360-367, 2020. **(CI 5) (IF 2.43) (PMID 31325026)**
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19. Little Flower Augustine, Vydehi M, Sadhana Subramanian, Bharati Kulkarni: Infection-iron interaction during COVID-19 pandemic: Time to re-design iron supplementation programs. *Med Hypotheses*. 143: 110173, Aug'2020. **(CI 4) (IF 1.322) (PMID 33017907)**
20. Meshram II, Naveen Kumar B, Venkaiah K, Longvah T: Subclinical vitamin A deficiency and anemia among women and preschool children from Northeast India. *Indian J Community Med*. 45: 371-374, 2020. **(CI - -) (IF 0.99) (PMID 33354022)**

21. Murhekar Manoj V, Bhatnagar T, Laxmaiah A, Hemalatha R, Toteja GS, Balram Bhargava: COVID-19 Serosurveillance Group: Prevalence of SARS-COV-2 infection in India: findings from the national serosurvey, May-June 2020. *Indian J Med Res.* 152: 48-60, Jul' & Aug'2020. **(CI 118) (IF 1.503)**
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28. Prathap Reddy K, Shivaram N, Uday Kumar P, Surekha MV, Suresh P, Harishankar N: Role of calorie restriction on pathophysiological changes in tongue fat and its relation to increased risk factors of obstructive sleep apnea in WNIN/Ob obese rats. *Nutrires.* 45, Article number: 10, 2020. **(CI - -) (IF - -)**
29. Praveen G, Shalini T, Sivaprasad M, Bhanuprakash Reddy G: Relative telomere length and mitochondrial DNA copy number with age: Association with plasma folate and vitamin B12. *Mitochondrion.* 2020 Jan; 51: 79-87. PMID: 31935457. **(CI 4) (IF 4.16) (PMID 31935457)**
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31. Radhika MS, Swetha B, Ravindranadh P, Jyrwa YW, Naveen Kumar B, Raghu P, Raja Sriswan M, Arlappa N, Bharati Kulkarni, Longvah T: High dietary micronutrient inadequacy in peri-urban school children from a district in South India: Potential for staple food fortification and nutrient supplementation. *Matern Child Nutr.* 2020;16(S3): e13065.<https://doi.org/10.1111/mcn.13065>. **(CI 1) (IF 3.233) (PMID 33347729)**

32. Rahul PK, Abhishek K A, Rashmi CS, Shahebaaz PK, Hemant UD, Reddy GB, Prakash DV, Siddique AA, Jaiprakash NS: SGLT inhibitors as antidiabetic agents: a comprehensive review. *RSC Adv.*10:1733-1756, 2020. **(CI 9) (IF 3.36) (PMID 35494673)**
33. Rajesh Kumar K, Sudhir G, Soundararajan D, Reddy GB, Huang SK, Anil GJ, Satish Kumar M: Inhibition of Aurora Kinase B attenuates fibroblast activation and pulmonary fibrosis. *EMBO Mol Med.* 12(9): e12131, Sept'2020. PMID: 32761869. **(CI 11) (IF 10.293) (PMID 32761869)**
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37. Ranzani OT, Carles M, Margaux Sanchez, Santhi B, Bharati Kulkarni, Kalpana B, Sankar S, Jordi Sunyer, Julian D Marshall, Sanjay K, Cathryn Tonne: Association between ambient and household air pollution with carotid intima-media thickness in peri-urban South India: CHAI-Project. *Int J Epidemiol.* 49: 69-79, 2020. **(CI 11) (IF 7.707) (PMID 31605119)**
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39. Richa Pande, SubbaRao GM, Bharati Kulkarni: Front-of-pack nutrition labelling in India. *Lancet public health.* 5, 20205, E195, Apr'2020. **(CI 1) (IF 25.648) (PMID 32243851)**
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44. Sanjay Basak, Rahul Mallick, Duttaroy AK: Maternal docosahexaenoic acid status during pregnancy and its impact on infant neurodevelopment. *Nutrients.* Nov'2020. 12.3615; doi:10.3390/nu12123615. **(CI 12) (IF 5.717) (PMID 33255561)**
45. Sanjay Basak, Srinivas V, Aswani M, Duttaroy AK: Curcumin stimulates angiogenesis through VEGF and expression of HLA-G in first-trimester human placental trophoblasts. *Cell Biol Int.* 44: 1237-1251, 2020. **(CI 13) (IF 3.612) (PMID 32073198)**
46. Sanjay Basak, Srinivas V, Duttaroy AK: Maternal dietary deficiency of n-3 fatty acids affects metabolic and epigenetic phenotypes of the developing fetus. *Prostaglandins Leukotr Essent Fatty Acids.* 158, 102109, 2020. **(CI 8) (IF 4.006) (PMID 32474355)**
47. Sanjay Kinra, John Gregson, Poornima P, Vipin Gupta, Gagandeep Kaur Walia, Santhi B, Ruby Gupta, Aastha Aggarwal, Mallinson PAC, Bharati Kulkarni, Dorairaj P, George Davey Smith, Radha Krishna KV, Shah Ebrahim, Hannah Kuper, Yoav Ben-Shlomo: Effect of supplemental nutrition in pregnancy on offspring's risk of cardiovascular disease in young adulthood: Long-term follow-up of a cluster trial from India. *PLoS Med.* <https://doi.org/10.1371/journal.pmed.1003183> July 21, 2020. **(CI 8) (IF 11.07) (PMID 32692751)**
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49. Santosh Kumar B, Rajanna A, Balakrishna N: Combined anticonvulsant effect of nifedipine and pentazocine in experimentally induced convulsions by electro convulsometer in mice and rats. *Int J Pharmac Sci Res.* 11: 1845-1849, Apr'2020. **(CI 2) (IF 0.60)**
50. Santhoshi Rani N, Sathish Kumar M, Vijayalakshmi Venkatesan: Targeted therapy for triple-negative breast cancer: current trends and future directions: a review. *J Cell Tissue Res.* 20: 6983-6992, 2020. **(CI - -) (IF 4.04)**
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63. Srujana M, Yogeswar Dayal K, Babban Jee, Venkaiah K, Padmaja Rambabu J:
Organophosphate pesticide exposure among farm women and children: Status of micronutrients, acetylcholinesterase activity, and oxidative stress. *Arch*

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65. Surekha MV, Sujatha T, Shravanthi G, Sandeep Kumar K, Siva Prasad M, Sarada K, Bhaskar V, Uday Kumar P: Effect of maternal iron deficiency anaemia on the expression of iron transport proteins in the third trimester placenta. Fetal Pediatr Pathol. https://doi.org/10.1080/15513815.2020.1725942. **(CI 2) (IF 0.81) (PMID 32096669)**
66. Surekha MV, Sujatha T, Shravanthi G, Uday Kumar P, Siva Prasad M, Sailaja G, Bhaskar V, Srinivas T: Expression of iron transport protein divalent metal transporter 1 (DMT1) increases in response to maternal iron deficiency anemia in near term to term placenta. J Maternal-Fetal Neonatal Med. Mar'2020. https://doi.org/10.1080/14767058.2020.1742317. **(CI 1) (IF 1.737) (PMID 32223474)**
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68. Syamal Raha, Rahul Mallick, Sanjay Basak, Duttaroy AK: Is copper beneficial for COVID-19 patients?. Med Hypotheses. 142, 109814, 2020. https://doi.org/10.1016/j.mehy.2020.109814 **(CI 77) (IF 1.375) (PMID 32388476)**
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B. PAPERS PUBLISHED IN PROCEEDINGS / BOOKS / CONFERENCES /

ABSTRACTS :

1. Maheshwar M, Raghunatha Rao D: The Report of a comparative analysis of nutrition science coverage by popular Indian daily newspapers. In "Arts and Social Studies Research" Vol.3, ed.by Alina GM. Romania, Book Publisher Int., 108-221pp, 2020.
2. Naveen Kumar R, Uday Kumar P, Hemalatha R: Food safety and security system in India. In "Food Safety and Security: an international aspect: monography" ed.by Kordzaia N, Legorov B, Trajkovska B, Kumar RN, Osmanaj B, Ilyasoglu A. Kherson, Oldi Plus, 59-81pp, 2020.
3. Sathish Kumar M, Yamini J: Role of dietary supplementation of natural products in the prevention and treatment of liver diseases. In "Phytochemicals Targeting Tumor Microenvironment in Gastrointestinal Cancers" ed.by Nagaraju GP., Atlanta, Springer, pp.261-285, 2020.
4. Sudhakar Reddy V, Trinath J, Bhanuprakash Reddy G: Small heat shock proteins in inflammatory diseases. In "Heat Shock Proteins" ed. by Asea AA, Kaur P. Switzerland, Springer Nature, pp.1-29, 2020.

C. POPULAR ARTICLES:

1. Hemalatha R, Uma Kailash K, Venkaiah K, Naveen Kumar B, , Venkatraji Reddy G, Abhinav Srivastava: Systematic review on daily iron losses and absorption of iron for deriving estimated average requirement (EAR) for recommendations on dietary iron intake for Indian women of reproductive age with the factorial approach. *PROSPERO*: 1-5, 2020.