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Journal Publications

1. Biswas A., Pal S, **Mitra D. R.** (2024). A Review on- Preparation of Bioplastics from agri-waste. *Bioscan*, 19(2), 9-12. DOI:<https://doi.org/10.63001/tbs.2024.v19.i02.S1>.
2. Bhattacharyjee S., Das S, Ghosh S., Maity D., Saha P., Roy S., **Mitra D. R.** (2023) Regulation of Uncontrolled Cell Growth (cancer) by Curcumin and Piperine- A Review. *Journal of Surveys of Fisheries Sciences*, 10 (1S) 6104-6110. <https://doi.org/10.53555/sfs.v10i1S.2114>
3. Dutta S, **Mitra D. R.** (2023). Applications of Diacylglycerol (dag) rich Microencapsulated Vitamin-c in Food Processing -A Review. *Journal of Advanced Zoology*, 44(S6), 2006–2011. <https://doi.org/10.17762/jaz.v44iS6.2687>
4. Mondal T, Chitra S, **Mitra D. R.** (2023). Investigating the Comparative Antioxidant Partitioning in Fried Oils and Fried Potatoes: A Scientific Evaluation. *Journal of Advanced Zoology*, 44(S6), 1999–2005. <https://doi.org/10.17762/jaz.v44iS6.2685>
5. Sen S, Saha D , **Mitra D. R.** (2023). Exploring the Scientific Benefits of Phytosterol Enriched Soya-butter- A Comprehensive Review. *Journal of Advanced Zoology*, 44(S6), 1992–1998. <https://doi.org/10.17762/jaz.v44iS6.2684>
6. Bhattacharjee B, Nag M S, Bhattacharjee A, Singh K, Roychowdhury S, Roy A, Sarkar S, Raza M A, Khaita J, Dutta S, Bhowmick S, **Mitra D. R.** (2023). Association Of Handgrip Strength, Body Mass Index, Waist Circumference And Depression Scale Among Adults: A Hospital Based Cross-Sectional Observational Study. *Journal of Advanced Zoology*, 44(S5), 2630–2635. <https://doi.org/10.53555/jaz.v44iS5.3297>
7. Ruj M, Biswas S, **Mitra D. R.** (2023). Phytosterol (ps) Enriched Nutella Spread From Yam Bean Milk -A Review . *Journal of Advanced Zoology*, 44(S6), 1986–1991. <https://doi.org/10.17762/jaz.v44iS6.2683>.
8. Shabnom M, Datta A, **Mitra D. R.** (2023). Probiotics: A Promising Solution for Irritable Bowel Syndrome (Ibs). *Journal of Advanced Zoology*, 44(S6), 1663–1667. <https://doi.org/10.17762/jaz.v44iS6.2588>
9. Hait R, Das A, **Mitra D. R.** (2023). Exploring The Effect of Wheat Grass Juice on Thalassemia: A Comprehensive Review. *Journal of Advanced Zoology*, 44(S6), 1636–1639 <https://doi.org/10.17762/jaz.v44iS6.2583>

10. Ash S, Saha P, **Mitra D. R.** (2023). Comparitive Nutritional Analysis Of Sweet Yam Bean (Jicama) Milk With Soya Milk -- A Review. *Journal of Advanced Zoology*, 44(S5), 2617–2623. <https://doi.org/10.53555/jaz.v44iS5.3293>
11. Ghosh, B Bhowmik I, Dey S, **Mitra D. R.** (2023). A Review On Phytosterol (Ps) Enriched Mayonnaise. *Journal of Advanced Zoology*, 44(S5), 2624–2629. <https://doi.org/10.53555/jaz.v44iS5.3295>
12. Shabnom M, **Mitra D. R.** (2023). Prevalance Of Substance Abuse Among Street Children In West Bengal, India. *Journal of Advanced Zoology*, 44(S5), 2611–2616. <https://doi.org/10.53555/jaz.v44iS5.3291>
13. Ghosh R.P, Saha D, Chowdhury S, **Mitra. D. R.** (2023). Waste To Wonder: Production Of Bio-Diesel From Agri-Waste- A Comprehensive Review. *Journal of Advanced Zoology*, 44(S5), 2551–2556. <https://doi.org/10.53555/jaz.v44iS5.3278>
14. **Dhara R**, Bhattacharyya DK, Ghosh M.(2010) Analysis of sterol and other components present in unsaponifiable matters of mahua, sal and mango kernel oil. *Journal of Oleo Science*, 59(4):169-76. doi: 10.5650/jos.59.169. PMID: 20299763.
15. **Dhara R**, Dhar P, Ghosh M. (2012) Dietary effects of pure and diacylglycerol-rich rice bran oil on growth pattern and lipid profile of rats. *Journal of Oleo Science*. 61(7):369-75. doi: 10.5650/jos.61.369. PMID: 22790167
16. **Dhara R**, Dhar P, Ghosh M. (2011) Dietary effects of diacylglycerol rich mustard oil on lipid profile of normocholesterolemic and hypercholesterolemic rats. *Journal of Food Science and Technology*. Aug; 50(4):678-86. doi: 10.1007/s13197-011-0388-y. Epub 2011 May 11. PMID: 24425969; PMCID: PMC3671051
17. **Dhara R**, Singhal RS. (2014) Process optimization of enzyme catalyzed production of dietary diacylglycerol (DAG) using TLIM as biocatalyst. *Journal of Oleo Science*. 63(2):169-76. doi: 10.5650/jos.ess13159. PMID: 24500104.
18. **Dhara R**, Dhar P, Ghosh M. (2011) The role of DAG rich ols in controlling plasma leptin level, a potent regular of obesity. *Journal of lipid Science and Technology*, vol 44(1) 534-541.
19. **R. Dhara**, M. Ghosh (2009) Lipase Catalyzed Synthesis of Diacylglycerol Rich Oil from Mustard oil (Brassica juncea). *Socio-Economic Development Challenges Before Women Scientist, Technologists & Engineers*, Indian Institute of Technology, Rourkela., 173-178.
20. Sultana S., **Mitra D Rupali**, Gawal J, Singh S. (2021) Impact of Exozymes serving as a tool of nano-drug delivery in neurotherapeutic anti-alzhaimers. *Samridhi; A Journal of Physical Sciences, Engineering and Technology*.13, 7-9. Doi:10.18090.
21. **Dhara R**, Dhar P, Ghosh M. (2009) Effect of short term ingestion of diacylglycerol (DAG) rich mustard oil on hypercholesterolemic rats. *Annals of Nutrition and Metabolism*, vol 55, 449-450.

Book Chapter

1. **Rupali. Dhara**, M. Ghosh. Lipase Catalyzed Synthesis of Diacylglycerol Rich Oil from Mustard oil (*Brassica juncea*). Socio-Economic Development Challenges Before Women Scientist, Technologists & Engineers, Indian Institute of Technology, Rourkela. 2009, 173-178. Excel India Publisher, New Delhi
2. **Rupali Dhara Mitra**. Fundamentals of Food Science and beyond, Chapter 7, Food Quality Evaluation, Pg-99-119. Swami Vivekananda University, Barrackpore (Institutional publisher), 1st edition, November, 2023, ISBN: 978-93-6039-536-0.
3. Ishita Bhowmik, **Rupali Dhara Mitra**. A Review on Yam Bean Milk: Application in Production of Phytosterol Enriched Chocolate, Futuristic Trends in Agriculture Engineering & Food Sciences e-ISBN: 978-93-5747-615-7 IIP Series, Volume 3, Book 9, Part 3, Chapter 1, Page-47-52. Publishers (IIP) Selfpage Developer Pvt LTD.

Patent

1. **Mitra D. Rupali**, Ghosh R. Priya, Das S., Mondal K Kingshuk, Dubey K Kriti, Singh S., Sarangi K Ashok, Kumar S. Rumila, Basu S., Jaiswal G. Swapnil., Koley S. (2024) A Method for Preparation and Composition of Millet Starch Based Bioplastics. Indian patent Application no.: 202431048156, Date of Filing: 23/06/2024, Date of Publication: 05/07/2024.
2. Maji D Sucheta, Giri A., Biswas Wendrila, Ghata A., Sarkar S., Sarangi K Ashok, **Mitra D.R.**, Negi, P.N., Pandey P Ramendra, Chang M C., Koley S.(2024). An Enhanced Method of Immobilization of Microbial Alkaline Protease for Industrial Application. Indian patent Application no.: 202431038779, Date of Filing: 17/05/2024, Date of Publication: 31/05/2024.

Conference Paper

1. **Rupali Dhara, Mahua Ghosh**, Dietary Effects of Diacylglycerol Rich Mustard Oil on Fatty acid Profile of Normocholesterolemic and Hypercholesterolemic Rats, Walkway of Discovery', 8th Nutra India summit organized by MM active March 13-16th, Cuffe Parade, Mumbai, India, 2013.
2. **Rupali Dhara, Mahua Ghosh**, Studies on Composition of Unsaponifiable matter of Mahua (*Madhuca latifolia*), Sal (*Sorea robusta*) and Mango Kernel (*Magnifera indica*) Fats Using HPTLS technique, 63rd annual convention & National Seminar of OTAI (Eastern Zone) India, Nov 29-30, 2008.
3. **Rupali Dhara, Mahua Ghosh** Lipase Catalyzed Synthesis of Diacylglycerol Rich Oil from Mustard oil (*Brassica juncea*), National Conference on Socio- Economic Development: Challenges Before Women Scientist, Technologists & Engineers, Indian Institute of Technology, Rourkela, and Feb 13-15, 2009.
4. **Rupai Dhara, Mahua Ghosh, Pubali Dhar** Dietary Effects of Blended Diacylglycerol (DAG) rich oil in Hypercholesterolemic rats, , International Conference on Integrative

Physiology: Modern Perspective & Platinum Jubilee Celebration organized by Physiological Society of India, Nov 12-14th, 2010, Science City Convention Centre, Kolkata

5. **Rupali Dhara, Pubali Dhara, Mahua Ghosh**, Effects of DAG rich Mustard Oil on Obesity, , 64th Annual Convention and International Conference on Oils, Fats, Fuels and Surfactants (ICOFFS), 9-11 December 2009; New Delhi, Oil Technologists' Association of India.
6. Sultana S., **Rupali Dhara**, Sudhansu Singh. Role of Engineering Nanomaterials for Early detection of Disease as a Hand Held device for Biomedical Application, ASM International Student Chapter, School of Life Sciences, Manipal Academy of Higher Education - Dubai, UAE, 2nd May, 2021.