

Curriculum Vitae

Name	ANINDITA RAY (CHAKRAVARTI)		
Father's Name	Debabrata Chakravarti		
Address	63/5, Charu Chandra Place East Kolkata-700033		
Mobile No.	98301 34147		
Nationality	Indian		
Date of Birth	20-06-1978		
Marital Status	Married		
<u>Educational Qualification</u>	<u>Name of Examination</u>	<u>Year</u>	<u>Marks Obtained</u>
	Madhyamik	1995	1 st Div, Star marks
	Higher Secondary	1997	1 st Div
	Graduation (B.Sc. Hons. In Food & Nutrition)	2000	1 st Class 1 st (Gold medalist)
	Post Graduation (M.Sc. Food and Nutrition)	2002	1 st Class 1 st (Gold medalist)
	Ph.D	2011	Awarded
<u>Other Qualifications</u>	Qualified UGC – Net	2003	
	Qualified ICAR – Net	2004	
	Qualified West Bengal SLET	2004	

<p>Project:</p>	<ol style="list-style-type: none"> 1. Behavioural Drivers of Food Choice in Eastern India with International Rice Research Institute and funded by Bill & Melinda Gates foundation 2. Impact of use of oral nutritional supplement on physical health, mental health and immune health in growing children at risk of undernutrition – funding agency Sun Pharma & Medclin Reasearch Pvt. Ltd. 		
<p><u>Paper/ Publications</u></p>	<ol style="list-style-type: none"> 1. <i>Marine Biopolymers as preservative agents. Marine Biopolymers- Processing, Functionality and Applications.</i> Chapter 28, p-859-882. Elsevier Publishers 2. <i>Potential of Green Bael leaves powder and its Quality Characteristics for the Development of Novel Food Products. Journal of Medicinal Plants Studies; 12(4) :74-77, ISSN (E): 2320-3362, ISSN (P): 2394-0530, 30.05.2024</i> 3. <i>Development of Novel Non-Diary Synbiotic Chocolates for promoting desirable gut microbiome. International Journal of Advanced Biochemistry Research, 8 (6): 619-626. ISSN (P): 2617-4693, ISSN (O): 2617-4707, June 2024</i> 4. <i>Formulation and Sensory Evaluation of Non- Diary Synbiotic Chocolates Enriched with Almonds Milk, Oats Powder and Probiotic Microorganism, Acta Scientific Nutritional Health. 8(6); May 2024</i> 5. <i>Biomedical Applications .of Polycaprolactone. Biopolymers for Biomedical Applications. Wiley Online Library. April 2024</i> 6. <i>Biochemical Parameters and potential health benefits of functional probiotic chocolates: a systematic review, International Journal of Advanced Biochemistry Research. 8(3): 218-223. ISSN(P): 2617-4693, ISSN (O): 2617-4707. Feb, 2024</i> 		

7. *Anti-microbial and Anti- carcinogenic Activity of Postbiotics: A review.* **Sayam- Journal of Ashutosh College.** 1(2), Dec 2023
8. *Therapeutic and Preventive Role of Nutraceuticals and Production of Vitamins & Low- calorie sugars from food grade microorganisms as Nutraceuticals.* **Journal of Advanced Zoology.** 44(S-6),1940-1949. ISSN: 0253-7214. Dec 2023
9. *The Role of Oral Nutrition in Relation to Potassium,Sodium and Creatinine Levels in Acute Myocardial Infarction.* **Clinical Case Reports International.,** Vol-7, Art 1459. Jan, 2023. ISSN:2638-4558
10. *The Impact of Genetically Modified Crops in the Present Scenario.* **Scholarly Journal of Food & Nutrition.** Lupin Publishers,ISSN:2638-6070; doi:10.32474/SJFN.202204.000193, 14.10.22
11. *Dietary Diversification and its Impact on Human Health.* **Nanotechnology in Functional Foods.** Ch: 9July 2022, doi: 10.1002/9781119905059.
12. *Probiotics and Gastrointestinal Health: Mechanism of Gastrointestinal Immunomodulation and Neuromodulation.* **International Journal of Food & Nutritional Science,** ISSNPrint: 2319-1775, Online:2320-7876, Aug,2022
13. *Antimicrobial properties of Chitosan Nanoparticles and their role in Post- harvest shelf- life extension-.* **IOSR Journal of Environmental Science, Toxicology and Food Technology,** ISSN: 2319-2402 June 2022
14. *Ameliorative Activity of a Green Extract of Spinach (Spinacia oleracea) on Paracetamol Induced Acute Liver Injury.* **International Journal of Food & Nutritional Sciences,** ISSN- Print: 2319-1775, Online: 2320-7876. June 2022

15. *Infant Young Feeding Practices in an Indian Maternal- Child Birth Cohort in Belagavi, Karnataka.* **International Journal of Environmental Research and Public Health**, MDPI, 2022, 19, 5088. <http://doi.org/10.3390/ijerph19095088>. April 2022
16. *Therapeutic and Ethnopharmacological role of Chamomile (Matricaria Chamomilla L.) and its Holistic Impact on Genomics- A Comprehensive Review.* **World Journal of Pharmaceutical Research**, ISSN: 2277-7105, 11(2), p705-717, DOI: 10.20959/wjpr20222-22910. Jan 2022
17. *Bioactive components of Peppermint (Mentha piperita L.) their pharmacological and ameliorative potential and ethnomedicinal benefits: A review.* **Journal of Pharmacognosy and Phytochemistry**. P-ISSN: 2278-4136, E-ISSN: 2349-8234 11(1), p: 109-114. 1st Jan 2022

	<p>18. <i>Therapeutic and Ethnopharmacological role of Chamomile (Matricaria chamomile L.) and its holistic impact on genomics- a comprehensive review. World Journal of Pharmaceutical Research.</i> ISSN: 2277-7105. 7th Jan 2022</p> <p>19. <i>Survey data on Heterogeneity of consumers' food choice in Eastern India. Data in brief,</i> 36:107148 May 2021.</p> <p>20. <i>Capturing Diversity and Cultural drivers of Food Choice in Eastern India. International Journal of Gastronomy & Food Science</i> 22(995,997):100249 August 2020</p> <p>21. <i>Expert Elicitation database capturing diversity and cultural drivers of food choice and nutritional implications in eastern India. Data in Brief:</i> 33: 106330. Sept 2020</p> <p>22. <i>Unraveling heterogeneity of consumers' food choice: Implications for nutrition interventions in eastern India. Global Food Security</i> 28(24):100497. March 2021.</p> <p>23. <i>What affects households' food choice in West Bengal? Geography & You,</i> 19(24):26-30.</p> <p>24. <i>Pandemic Times: to eat and what to eat. 2020 Corona Virus: Pandemic in India.</i> ISBN No:978-81-947590-0-3</p> <p>25. Paper published in the <i>International Journal of Current Microbiology and Applied Sciences</i> (ISSN:2319-7706 Vol 3 No. 10) 2014</p> <p>26. Paper published in the <i>International Journal of Agricultural and Food Science</i> (ISSN 2249-8516) 2014.</p> <p>27. Presented and published paper at the <i>19th World Congress on Clinical Nutrition at BHU,</i> Varanasi 2015.</p> <p>28. Presented and published Paper at the <i>90th Indian Science Congress</i> held at Bangalore, January 2003</p> <p>29. Presented and published Paper at the <i>Asian Network Of Research on Anti-Diabetic Plants (ANRAP)</i> at ITC Sonar Bangla, Kolkata, January 2004</p>		
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	<p>30. Presented and published Scientific Paper at Science City, Kolkata, at the Seminar of IABMS, 2006</p> <p>31. Paper published in Scientific journal "<i>Nascent</i>" on chemical analysis of edible mushrooms, 2005</p>		
<u>Books</u>	<ol style="list-style-type: none"> 1. Nutrition- Semester I (NEP syllabus)- June 2024 2. Nutrition- Semester II (NEP Syllabus) -October 2024 3. Multidisciplinary : Review Book, ISBN: 978-93-91074-40-1, dated 04/02/2022 (Taurean Publication) 4. Introduction to Food & Nutrition Vol I-ISBN: 978-93-82886-07-05 5. Introduction to Food & Nutrition Vol II- ISBN: 978-93-82886-13-6 4. Pushti Bigyan –I-ISBN:978-93-82886-50-1 5. Pushti Bigyan II -ISBN: 978-93-82886-59-4 		

<p>Lectures</p>	<ul style="list-style-type: none"> ▪ <i>Food & Mental Health of Geriatric Population- International Seminar on Protection of Rights in Elderly in India at Presidency University on 26.04.2024</i> ▪ <i>Public Health at NutriConclave , NSHM Durgapur May 2024</i> ▪ <i>NUTRICONPH NSHM , Kolkata Aug2023</i> ▪ <i>Invited Lecture at International Conference: Nutrients E-Con 2022, on Organic food vs Conventional food and the health impacts of both, 29.11.2022</i> ▪ <i>Invited Lecture at Paramedical College, Durgapur, 05.09.2022</i> ▪ <i>Invited Speaker at Global Food Security Symposium and Conference on 04.12.2020</i> ▪ <i>Invited Lecture on Nudging rice consumers towards planetary health diets organized by International Rice Research Institute in the International Symposium on 29.07.2020</i> ▪ <i>Invited Lecture at One day National Level Webinar – Challenges related to Covid-19 and Managing Physical and Mental Health during Pandemic Situations organized by Vivekananda Mission Mahavidyalaya, Purba Medinipur, West Bengal on 28.09.2020</i> ▪ <i>Invited Lecture on Nutrition in the Pandemic , organized by the Bengal Chapter of IPHA</i> ▪ <i>Invited Lecture on “ Foodception” organized by Rotary International on 16.10.2020</i> 	
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	<ul style="list-style-type: none">▪ <i>Invited Lecture on “Colours of Food” organized by Dept. of Dietetics & Nutrition , NSHM , Durgapur on 12.09.2020</i>▪ <i>Invited Lecture on Nutrition in Old age: Rebooting Elder Care in Covid-19 Pandemic organized by CII .</i>		
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	<ul style="list-style-type: none"> ▪ <i>Invited Lecture on Women's Health – The harbinger of a better future organized by Maharajadhiraj Uday Chand Womens' College on 23.07.2020</i> ▪ <i>Invited Lecture on Nutrition in the pandemics organized by the Dept. of Food & Nutrition Maharani Kasiswari College on 09.07.2020</i> ▪ <i>Invited Lecture on Healthy Eating at South City International School organized bt Merlins Group on 02.03.2020</i> ▪ <i>Invited Lecture on Food & Mood organized by NSHM, Kolkata on 10.02.2020</i> ▪ <i>Invited Lecture at 10th International World Science Congress on Immunonutrition on 14.08.2020</i> ▪ <i>Invited Lecture for Nutri-Pedia : Ato Z of Nutrition on 07.08.2020</i> ▪ <i>Invited Lecture on Nutrigenomics organized by Bio-Logics on 24.07.2020</i> ▪ <i>Invited Lecture on Adolescent Nutrition Organized by the Govt. of West Bengal, UNICEF and CRY on 30.10.2019</i> ▪ <i>Invited Lecture on Diabetes and Nutrition organized by IISF, Indian Science Congress Association on 11.10.2019</i> ▪ <i>Invited Lecture on Lifestyle diseases at NSHM, Kolkata on 24.04.2019</i> ▪ <i>Invited Speaker on Nutrigenomics at ICN Seminar held at Belle Vue Nursing Home Sept, 2010</i> ▪ <i>Invited Speaker on Osteoporosis at the UGC Sponsored Seminar organized by Netaji Nagar Day College, Sept. 2011.</i> ▪ <i>Invited Lectures by Amway India</i> 	
Member of	<ul style="list-style-type: none"> ▪ Advisor NSHM Knowledge Campus, Kolkata ▪ Advisor NSHM, Durgapur ▪ Editorial Board of Frontiers in Food Science & Technology ▪ Swami Vivekananda University (UG-BOS) ▪ Gour Banga University (UG-BOS) ▪ Jamshedpur Women's College, Jamshedpur (BOS) 	

<u>Teaching Experience</u>	Presently Assistant Professor & HOD, Maharani Kasiswari College from 2010		
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	<p>Other previous experiences:</p> <ol style="list-style-type: none"> 1. Guest Lecturer – Vidyasagar College for Women, 2003-2005 2. Part Timer – Maharani Kasiswari College, C.U. 2005 3. Part Timer – Gokhale Memorial Girls’ College, C.U. from 2003 – 2005 4. Part Timer – J.D. Birla Institute, J.U. 5. Taken Post Graduate classes as Guest Lecturer at AIHH & PH 2010-2011 		
<u>Scholarships/ Awards</u>	<p>Dr.Amiya Kumar Bose Memorial Oration Award from Indian Dietetic Association(Bengal Chapter) on 7th April, 2018</p> <p>Awarded University Research Fellowship (URF) for pursuing Research (Ph.D.) in 2005</p>		
	<p>Uma Mukherjee Scholarship for ranking 1st Class 1st in Graduation 2000 from Calcutta University</p>		
	<p>National Scholarship Holder for all India ranking in Graduation 2000</p>		
	<p>President’s Gold Medal Award Winner from Shankar’s International Childrens’ Funds for English Poetry Writing</p> <p>Awarded Prof. (Dr.) Amiya Kumar Bose Memorial Lecture Award by Indian Dietetics Association, Bengal Chapter on 07.04.2018</p> <p>Won the “Best Paper Award” at the 19th WCCN at BHU March 2015</p> <p>Awarded the Mukta Memorial Special Citation Award by ICN at the 19th WCCN at BHU in March 2015, for overall performance</p> <p>Awarded Best Guest Speaker Award, 25th April 2024- FSTN Exploration Foundation</p>		
	<p>Received numerous awards in Extempore, Creative Writings and other competitions at College competition levels</p>		
<u>Examination Rankings</u>	<p>Ranked 1st Class 1st in Graduation 2000 from Calcutta University</p> <p>Ranked 1st Class 1st in Post – Graduation 2002 from Calcutta University</p> <p>Ranked 1st in the West Bengal College Service Commission Examination</p>		

<p><u>Research Topics</u></p>	<ul style="list-style-type: none"> ▪ Presently working on Dietary Diversity in Eastern India on a project in collaboration with IRRI funded by Bill & Melinda Gates Foundation. ▪ Worked on Chemical and Nutritional Analysis of different varieties of Mushrooms ▪ Antioxidant Activities of Plants and their effects on Diabetes (induced in rats) 		
<p><u>Projects</u></p>	<ul style="list-style-type: none"> ▪ Behavioral Divers of Food Choice in Eastern India- Drivers of Food Choice (DFC) Competitive Grants Programme (Grant No.OPP1110043). Funded by the UK Govts Dept. of International Development & the Bill & Melinda Gates Foundation and managed by the University of South Carolina, Arnold School of Public Health, USA. ▪ Impact of use of oral nutritional supplement on physical health, mental health and immune health in growing children at risk of undernutrition – funding agency Sun Pharma & Medclin Reasearch Pvt. Ltd. ▪ 		
<p><u>Memberships</u></p>	<ol style="list-style-type: none"> 1. Indian Public Health Association 2. Vegetarian Society of India 3. Indian Dietetic Association 4. International College of Nutrition 5. Nutrition Society of India 		