

# **DEPARTMENTAL PROFILE FORMAT**

## **An Overview of the Department:**

The Department of .Food and Nutrition .launched its journey in 2005 as Honours and general subject. There are at present 75 sanctioned seats for Honours. There are four full time teachers, four SACTs and two Guest Teachers in the Department. The Department has produced innumerable students both Honours and General throughout the years. Many students of the Department have established themselves in various sectors, especially as accomplished teachers in various H.S. Schools and Degree Colleges, Dieticians in many hospitals and in other fields as well. They are in constant touch with the Department as Alumni.

Besides teaching, the Department organizes class wise seminar, debate and prepares students for Quiz competition and Group discussion, so that they can keep pace with the time. The students can express their views independently through their writing in the wall Magazine and teachers guide them properly in this regard. Above all, the faculty members are always ready to render all possible assistance and guidance to students within and outside the campus as and when required. Consequently, students get through the final examination with flying colours every year and go for further higher studies.)for reference only. Several recipe contests, Nutrition month programs have been organized every year and students as well as teachers participate wholeheartedly.

## **Evaluative Report of the Department of Food and Nutrition**

1.Name of the Department: Department of Food and Nutrition

2.Year of establishment: 2003(General), 2004 (Honours)

3. Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.): UG ( B. A. Honours, B. A. General) : BSc. Honours in Food and Nutrition

BA/ BSc. General Food and Nutrition

4. Name of Interdisciplinary courses and the departments / units involved: Environmental Science

5. Annual/Semester/Choice Based Credit System (programme wise): UG CBCS

6. Participation of the department in the courses offered by other departments: Department of Psychology

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: No.

8. Details of courses / programs discontinued (if any) with reasons: No.

9. Number of teaching posts.

	<b>Sanctioned</b>	<b>Filled</b>
<b>Professor</b>	NA	NA
<b>Associate Professor/Reader</b>	No direct recruitment. On promotion only according to UGC-DPI, Govt. of West Bengal & University Rules	NA
<b>Assistant Professor</b>	4	4
<b>SACT</b>	4	4
<b>Guest Lecturer (College Appointed)</b>	3	3

10. Faculty profile with name, qualification, designation, area of specialization, experience, and research under guidance

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Teaching Experience</b>	<b>No. of Ph. D. Students guided for the last 4 years</b>
Dr. Anindita Ray (Chakravarti)	MSc, PhD	Assistant Professor	Food and Nutrition	19 yrs	NA
Suryatapa Das	MSc	Assistant Professor	Food and Nutrition	12 yrs	NA
Sajida Khatoon	MSc	Assistant Professor	Food and Nutrition	2 yrs	NA
Dr Ankhi Haldar	MSc, B.Ed, PhD	Assistant Professor	Food and Nutrition	2 yrs	NA
Aritri Nandy	MSc	SACT	Physiology	10 yrs	NA
Dr. Sangita Manna	MSc, Dip-Diet, PhD	SACT	Food and Nutrition	20 yrs	NA
Sejuti Ray	Msc	SACT	Microbiology	5 yrs	NA
Dr Tanima Paul	MSc, PhD	SACT	Microbiology	4 yrs	NA
Dr. Mousami Basu	MBBS, MD	Guest Lecturer	Community Medicine	18 yrs	NA
Dr. Tapan Kumar Pal	MSc. , PhD	Guest Lecturer	Nutritional Biochemistry	18 yrs	02
Bikash Majumdar	MSc	Guest Lecturer	Physiology	40 yrs	NA

11. List of senior Visiting Faculty: NO

12. Number of lectures delivered by Senior visiting faculty= NA

13. Number of lectures delivered by guest lecturers and part time lecturers = 4 hours/week

14. Student Teacher Ratio (program-wise): Honours : 16

General: 8

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled: Not applicable.

16. Qualification of teaching faculty with DSc/D. Litt/Ph. D./MPhil/ PG: Please refer to serial No. 10

17. Number of faculty with ongoing projects from a) national b) international funding agencies and grants received:

18. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc., total grants received:

- UGC Minor Research Project: 4,82500/-
- The UK Govts Dept. of international Development & the Bill & Melinda Gates Foundation: 2,00000/-
- Sun Pharma & Medclin Research Pvt. Ltd.: 1,50000/-

19. Research Centre /facility recognized by the University: No.

20. Publications: 36

21. Publication per faculty: Mentioned below

22. Research work, Publications and other information of:

Name of teacher.....i) Dr. Anindita Ray (Chakravarti)

ii) Suryatapa Das

iii) Dr Ankhi Haldar

iv) Dr. Sangita Manna

v) Sejuti Ray

<b>Research Work</b>	M.Phil, Ph.D.	.....

23. Publications:

**Dr. Anindita Ray (Chakravarti)**

**Journals**

- Probiotics and Gastrointestinal Health: Mechanism of Gastrointestinal Immunomodulation and Neuromodulation. International Journal of Food & Nutritional Science, ISSNPrint: 2319-1775, Online:2320-7876, Aug,2022
- 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
- Ameliorative Activity of a Green Extract of Spinach ( Spinaciaoleracea) on Paracetamol Induced Acute Liver Injury. International Journal of Food & Nutritional Sciences, ISSN- Print: 2319-1775, Online: 2320-7876.
- 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](http://doi.org/10.3390/ijerph19095088).
- 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
- Bioactive components of Peppermint ( Mentha piperita L.) their pharmacological and ameliorative potential andethnomedicinal benefits: A review. *Journal ofPharmacognosy and Phytochemistry*. P- ISSN: 2278-4136, E-ISSN: 2349-8234 11(1), p: 109-114. 1<sup>st</sup> Jan 2022
- Therapeutic and Ethnopharmacological role of Chamomile(Matricaria chamomile L.) and its holistic impact on genomics-a comprehensive review. *World Journal of Pharmaceutical Research*. ISSN: 2277-7105. 7<sup>th</sup> Jan 2022
- Survey data on Heterogeneity of consumers' food choice in Eastern India. *Data in brief*, 36:107148 May 2021.
- Capturing Diversity and Cultural drivers of Food Choice in Eastern India. *International Journal of Gastronomy & Food Science* 22(995,997):100249 August 2020
- Expert Elicitation database capturing diversity and cultural drivers of food choice and nutritional implications in eastern India. *Data in Brief*: 33: 106330. Sept 2020
- Unraveling heterogeneity of consumers' food choice: Implications for nutrition interventions in eastern India. *GlobalFood Security* 28(24):100497. March 2021.
- What affects households' food choice in West Bengal? *Geography & You*, 19(24):26-30.
- Pandemic Times: to eat and what to eat. *2020 Corona Virus: Pandemic in India*. ISBN No:978-81-947590-0-3
- Paper published in the *International Journal of Current Microbiology and Applied Sciences* (ISSN:2319-7706 Vol 3 No. 10) 2014

- Paper published in the *International Journal of Agricultural and Food Science* (ISSN 2249-8516) 2014.
- Presented and published paper at the *19<sup>th</sup> World Congress on Clinical Nutrition at BHU*, Varanasi 2015.
- Presented and published Paper at the *90<sup>th</sup> Indian Science Congress* held at Bangalore, January 2003
- Presented and published Paper at the *Asian Network Of Research on Anti-Diabetic Plants (ANRAP)* at ITC Sonar Bangla, Kolkata, January 2004

## Suryatapa Das

### Journals

- Das, S., Chatterjee, A. and Pal, T. K., 2020. Organic farming in India : a vision towards a healthy nation. *Food Quality and Safety*, 20:1–8.
- DaS, S. Post-harvest processing of coffee: An overview. *Coffee Science - ISSN 1984-3909*, [S. l.], v. 16, p. e161976, 2022. DOI: 10.25186/.v16i.1976.
- Das, S., Chatterjee, A. & Pal, T.K. Comparative studies on physicochemical and nutritional values of organically and conventionally grown Cucumis sativus stored at different temperatures in different household packaging. *Org. Agr.* (2022). <https://doi.org/10.1007/s13165-022-00409-y>

## Dr.Ankhi Haldar

### Journals

- Paper published in the ‘International Journal of Environmental Science, Toxicology & Food Technology’ (ISSN-2319-2399, VOL-8, August-2014)
- Paper published in the ‘Indian Journal of Biochemistry & Biophysic’(VOL-55, April-2018)
- Paper published in the ‘International Journal of Food & Nutrition Science (vol-11, Issue :1Januray-March-2022)

## Dr. Sangita Manna

### Journals

- **2012 January: e-SPEN Journal [UK]**. “Fish oil suppresses angiogenesis, reduces cell proliferation and DNA damage in rat mammary carcinogen  
Sangita Manna, Subhadeep Das, Kaushik Roy, Ajay Rana and Malay Chatterjee  
<http://www.e-spenjournal.org/article/S2212-8263%2812%2900006-1/abstract>
- **2011 April: Journal of Cellular Biochemistry [USA]**, “Combined supplementation of vanadium and fish oil suppresses tumor growth, cell proliferation and induces apoptosis in DMBA-induced rat

mammary carcinogenesis”**Sangita Manna, Subhadeep Das, Mary Chatterjee, M Janarthan and Malay Chatterjee.**

<http://www.ncbi.nlm.nih.gov/pubmed/21503968>

- **2010 August: *Clinical Nutrition [UK]*, “Fish oil regulates cell proliferation, protect DNA damages and decrease HER-2/neu and c-Myc protein expression in rat mammary carcinogenesis”**

**Sangita Manna, M. Janarthan, Balam Ghosh,  
Basabi Rana, Ajay Rana and Malay Chatterjee**

<http://www.ncbi.nlm.nih.gov/pubmed/20138412>

- **2008 July: *Prostaglandins, Leukotrienes and Essential Fatty Acid [UK]*, Dietary fish oil associated with increased apoptosis and modulated expression of Bax and Bcl-2 during 7,12-dimethylbenz(α)anthracene induced mammary carcinogenesis in rats.**

**Sangita Manna, Tridib Chakraborty, Balam Ghosh, Mary  
Chatterjee, Amalendu panda, Sunil Srivastava, Ajay Rana  
and Malay Chatterjee.**

<http://www.ncbi.nlm.nih.gov/pubmed/18614344>

- **2008: 1<sup>st</sup> Pharmaceutical Technology IAPST International Conference on Drug Delivery and Drug Targeting Research (2008).** Abstracts published titled

i) “Suppression of cell proliferation, induction of apoptosis and cell cycle arrest: Chemopreventive activity of vanadium”.

**Balam Ghosh, Sangita Manna, Mary Chatterjee,  
Dipak Singha, Mosiur Rahman, Malay Chatterjee**

ii) Suppression of tumor growth and invasion in 1,2-dimethylhydrazine (DMH) induced chemical colon carcinogenesis by plant polyphenol.

**Mitali Chattopadhyay, Tridib Chakraborty, Balam Ghosh,  
Sangita Manna, Mary Chatterjee, Malay Chatterjee.**

- **2007 May: *Nature [India] Research Highlight* titled “Fish oil for breast cancer”**  
**Sangita Manna, Tridib Chakraborty, Suresh Damodaran,  
Kartick Samanta, Basabi Rana and Malay Chatterjee.**

<http://www.nature.com/nindia/2007/070501/full/nindia.2007.2.html>

- **2007 May. *Cancer Cell International [UK]*, May 1;7:6.** “Protective role of fish oil (Maxepa) on early events of rat mammary carcinogenesis by modulation of DNA-protein crosslinks, cell proliferation and p53 expression.”

**Sangita Manna, Tridib Chakraborty, Suresh Damodaran,  
Kartick Samanta, Basabi Rana and Malay Chatterjee.**

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1872018/pdf/1475-2867-7-6.pdf>

## Sejuti Ray

### Journals

- Hridi Halder, Reetish Raj Sahoo, Shuvrangshu Guha, Sagnik Bhattacharjee, Dyutika Banerjee, Sejuti Ray, Arpita Pareshchandra Mondal, Jaydip Ghosh, Sudeshna Shyam Choudhury “Identification and Characterization of the Antimicrobial and Active Components of Tea (Camellia Sinensis)”. IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS), 15(1), (2020): pp. 51-58
- Sejuti Ray, Srijan Bhattacharya, Jaydip Ghosh, Sudeshna Shyam Choudhury. Comparison of Antioxidant and Antimicrobial Potential of Tea Samples from Seven Valleys of Darjeeling. Research & Reviews: Journal of Crop Science and Technology. 2020;9(2):4-13p.
- Sudeshna Shyam Choudhury, Ravichandran Velayutham, Dipanjan Ghosh, Arun Jana, Jaydip Ghosh, Sejuti Ray, Debapriya Maitra. Assessment of Antioxidant and Antimicrobial (Therapeutic) Potentials of Some Medicinally Important Beverages, Research & Reviews: Journal of Herbal Science. 2021;10(2):8-13p.

24. Books edited:

### **Dr. Anindita Ray (Chakravarti)**

- Multidisciplinary : Review Book, ISBN: 978-93-91074-40-1, dated 04/02/2022 ( Taurean Publication)
- Introduction to Food & Nutrition Vol I-ISBN: 978-93-82886-07-05
- Introduction to Food & Nutrition Vol II- ISBN: 978-93-82886-13-6
- Pushti Bigyan –I-ISBN:978-93-82886-50-1
- Pushti Bigyan II -ISBN: 978-93-82886-59-4

### **Suryatapa Das**

- Published a Textbook Entitled ‘Textbook of Community Nutrition’ as Sole Author, for Undergraduate students by Academic Publishers in the year 2014[ ISBN : 978-93-83420-02-5]
- Published Second Edition of the Textbook ‘ Textbook of Community Nutrition’ as Sole author for Undergraduate students by Academic Publishers in the Year 2016[ISBN: 978-93-83420-69-8]

- Published Third Edition of the Textbook ‘Textbook of Community Nutrition’ as Sole author for Undergraduate students by Academic Publishers in the Year 2018[ISBN: 978-93-87162- 04-4]
- Published Fourth Edition of the Textbook ‘Textbook of Community Nutrition’ as Sole author for Undergraduate students by Academic Publishers in the Year 2020[ISBN: 978-93-87162-53-2]
- Published First Edition of the Textbook ‘Textbook of Human Nutrition’ as Sole author for Undergraduate students by Academic Publishers in the January Year 2021[ISBN: 978-93-87162-92-1]
- Published Fifth Edition of the Textbook ‘Textbook of Community Nutrition’ as the Sole author for Undergraduate students by Academic Publishers in the Year 2020[ISBN: 978-93-87162-53-2]
- Published a Peer Reviewed Edited Book ‘March through Search: A Multidisciplinary Research Book’ as an Editor by Rohini Nadan of behalf of Maharani Kasiswari College in the year 2021.[ ISBN:978-93-88866-49-1]

25.Seminar/Conference (National & International):

Dr. Anindita Ray ( Chakravarti)
<ol style="list-style-type: none"> <li>1. Invited Lecture at Paramedical College, Durgapur,05.09.2022</li> <li>2. Invited Speaker at Global Food Security Symposium and Conference on 04.12.2020</li> <li>3. Invited Lecture on Nudging rice consumers towards planetary health diets organized by International Rice Research Institute in the International Symposium on 29.07.2020</li> <li>4. 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</li> <li>5. Invited Lecture on Nutrition in the Pandemic , organized by the Bengal Chapter of IPHA</li> <li>6. Invited Lecture on “ Foodception” organized by Rotary International on 16.10.2020</li> <li>7. Invited Lecture on “Colours of Food” organized by Dept. of Dietetics &amp; Nutrition , NSHM , Durgapur on 12.09.2020</li> <li>8. Invited Lecture on Nutrition in Old age: Rebooting Elder Care in Covid-19 Pandemic organized by CII .</li> <li>9. Invited Lecture on Women’s Health – The harbinger of a better future organized by Maharajadhiraj Uday Chand Womens’ College on 23.07.2020</li> <li>10. Invited Lecture on Nutrition in the pandemics organized by the Dept. of Food &amp; Nutrition Maharani Kasiswari College on 09.07.2020</li> <li>11. Invited Lecture on Healthy Eating at South City International School organized bt Merlins Group on 02.03.2020</li> <li>12. Invited Lecture on Food &amp; Mood organized by NSHM, Kolkata on 10.02.2020</li> <li>13. Invited Lecture at 10 th International World Science Congress on Immunonutrition on 14.08.2020</li> <li>14. Invited Lecture for Nutri-Pedia : Ato Z of Nutrition on 07.08.2020</li> <li>15. Invited Lecture on Nutrigenomics organized by Bio-Logics on 24.07.2020</li> <li>16. Invited Lecture on Adolescent Nutrition Organized by the Govt. of West Bengal, UNICEF and CRY on 30.10.2019</li> <li>17. Invited Lecture on Diabetes and Nutrition organized by IISF, Indian Science Congress Association on 11.10.2019</li> <li>18. Invited Lecture on Lifestyle diseases at NSHM, Kolkata on 24.04.2019</li> <li>19. Invited Speaker on Nutrigenomics at ICN Seminar held at Belle Vue Nursing Home Sept, 2010</li> <li>20. Invited Speaker on Osteoporosis at the UGC Sponsored Seminar organized by Netaji Nagar Day College, Sept. 2011.</li> <li>21. More than 50 Invited Lectures by Amway India, as an Expert</li> </ol>

26. Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)

Citation Index – range / average : Nil

SNIP: Nil

SJR: Nil



Impact Factor – range / average:

2.0-3.0-

h-index: 3

27. Areas of consultancy and income generated : Nil

28. Faculty as members in

a) National committees b) International committees c) Editorial Boards: Student project  
Dr. Anindita Ray ( Chakravarti):

Editorial Board of Frontiers in Food Science & Technology  
Editor in the Journal of Food & Nutrition  
Swami Vivekananda University ( UG-BOS)  
Gour Banga University ( UG-BOS)  
Jamshedpur Women's College, Jamshedpur (BOS)

29. percentage of students placed for projects in organizations outside the institution i.e., in Research laboratories /  
Industry / other agencies: 2%

30. Awards / recognitions received at the national and international level by

Faculty:

1. Dr.Amiya Kumar Bose Memorial Oration Award from Indian Dietetic Association( Bengal Chapter) on 7 th April, 2018
2. Awarded University Research Fellowship (URF) for pursuing Research (Ph.D.) in 2005
3. Uma Mukherjee Scholarship for ranking 1 st Class 1 st in Graduation 2000 from Calcutta University
4. National Scholarship Holder for all India ranking in Graduation 2000
5. President’s Gold Medal Award Winner from Shankar’s International Childrens’ Funds for English Poetry Writing
6. Won the “Best Paper Award” at the 19 th WCCN at BHU March 2015
7. Awarded the Mukta Memorial Special Citation Award by ICN at the 19 th WCCN at BHU in March 2015, for overall performance

31. List of eminent academicians and scientists / visitors to the department:

SI No	Name	Designation	Institute
1.	Dr Suniti Ghosh Chatterjee	Associate Professor	University of Calcutta
2.	Dr.Dhira Ganguly	Associate Professor	University of Calcutta
3.	Dr.Debnath Chaudhuri	Professor	All India Institute of Hygiene and Public Health
4.	Dr.Partha Sarathi Mukherjee	Nephrologist	Woodland Hospital
5.	Dr.Debaprasad Chottopadhyay	Assistant Professor	Belegkata ID Hospital
6.	Ms. Sumona Mondal		
7.	Ms.Malabika Dutta	Chief Dietician	NSHM, Kolkata
8.	Promita Das Dutta	Chief Dietician	Birla Heart Research Centre Chittaranjan Cancer Hospital

32. Seminars/ Conferences/Workshops organized and the source of funding:

Departmental Seminars=

33. Student profile program-wise:

Name of the Course/Programme (refer to question no. 4)	Applications received	Selected		Enrolled		Pass percentage
		Male	Female	* M	* F	
B.A. Part I (Hon)						
B.A. Part II (Hon)						
B.A. Part III (Hon)						

\* M=Male \* F=Female

34.-Diversity of students

Name of the Course	% of students from the same State	% of students from other State	% of students from abroad
B.A. 1 <sup>st</sup> year Hon	100%	-----	-----
B.A 1 <sup>st</sup> year (Gen)	100%	-----	-----
B.A. 2 <sup>nd</sup> year(Hon)	100%	-----	-----
B.A. 2 <sup>nd</sup> year(Gen)	100%	-----	-----
B.A. 3 <sup>rd</sup> year(Hon)	100%	-----	-----
B.A. 3 <sup>rd</sup> year (Gen)	100%	-----	-----

35. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services and Defence Services etc.?

Name	Examination

(Note: It is further notified that the considerable number of our students is in School Service, some are also in Defence and Civil services. For ref...only.)

36. Student progression

Student Progression	Against % enrolled
UG to PG	50% in regular 25% in distance mode (approx)
PG to M.Phil	0
PG to Ph.D	20%
Ph.D to Post-Doctoral	1%
Employed- Campus selectio -Other than campus recruitment	-----
Enterpreneurship/Self-employment	5%

37. Details of infrastructural facilities

a) Library:.3(Central, Seminar, Science Building)

b) Internet facilities for staff and students:. Yes

c) Class rooms with ICT facility: 2

e) Laboratories: 3 (NL1, NL2, NL3)

38. Number of students receiving financial assistance from College, University, government or other agencies:

39. Details of student enrichment programmes (special lectures / workshops/seminar) with external experts:

1.

2.

3. Video Show

40. Teaching methods adopted to improve student learning

i. Lecture method

ii. Group discussion

iii. Rapid participatory techniques

iv. Demonstration method.

v. Special class and care to advanced and slow learners.

vi. Participation in Institutional Social Responsibility (ISR) and Extension activities:

(The faculty members and students of the department are regularly participating in the Institutional Social Responsibility and Extension activities organized by the NSS and Health Unit of the college.)Reference....only...

SWOC analysis of the department and future plans.

Strength

Weakness

Opportunities

Challenges

Future plans

