

MONALISA ROY

Assistant Professor (Contractual), Dept. of Food Processing,
Mugberia Gangadhar Mahavidyalaya
(UGC recognized as **College with Potential for Excellence**;
DBT recognized as **Star College**,
Affiliated to Vidyasagar University)
Po-Bhupatinagar; Dist. - Purba Medinipur,
West Bengal - 721425, India
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EDUCATIONAL QUALIFICATION:-

- 2017-2019, Indian Institute of Engineering Science and Technology, Shibpur (IEST, Shibpur), M.Sc in, **Food Processing and Nutrition Science, 1st Class.**
- 2014-2017, MugberiaGangadharMahavidyalaya ,Bhupatinagar, Purba Medinipur, Vidyasagar University, B.Sc. in Nutrition, **1st Class.**
- 2012-2014, Bhagwanpur High School (H.S.), Bhagwanpur, PurbaMedinipur, West Bengal Council of Higher Secondary Education, 10+2, **Grade-A.**
- 2012, Charabarh Girls High School, Charabarh, PurbaMedinipur, West Bengal Board of Secondary Education, 10th , **Grade-A.**

COMPUTER LITERACY:-

MS Office (Word, Excel, Power point), Internet knowledge, statistical software SPSS

RESEARCH INTEREST

Functional food, oil technology, biotechnology, fortification, waste material utilization, cheese and fermented dairy products, diet therapy, community nutrition etc.

RESEARCH WORK DURING M.Sc.

M.Sc. Dissertation work was on '**Formulation, production and characterization of nutritionally enriched spread product with chia seed oil blended with fish skin (*Labeorohita*) oil**'.

PROJECT WORK DURING B.Sc.

B.Sc. Project work was on '**A comparative study between breakfast consumption and non-consumption among adult women (age25-35 years)**'.

WORK EXPERIENCE

Working as Assistant Professor (2nd September 2019-present, Contractual) at Mugberia Gangadhar MahavidyalayaUGC recognized as **College with Potential for Excellence**; DBT recognized as **Star College**, Affiliated to Vidyasagar University)PO-Bhupatinagar; Dist. - PurbaMedinipur, West Bengal - 721425, India.

ACHIEVEMENTS & AWARDS:-

1. Awarded **3rd prize** on a poster presentation entitled ' Medicinal value of wine' in the national seminar on "Recent Innovations in Food and Nutritional Sciences", organized by Dept. of Nutrition and Internal Quality Assurance Cell (IQAC), MugberiaGangadharMahavidyalaya,Bhupatinagar-721425,Dist- Purba Medinipur, West Bengal,on 31thAugust, 2018.
2. Awarded **2nd prize** on a poster presentation entitled ' Role of phytoestrogen on health' in the national seminar on "Trends in Nutrition Research and Education and its Prospect", organized by Dept. of Nutrition, Raja N. L. Khan Women's College, Gope Palace, Midnapore-721102, Dist- PaschimMedinipur, West Bengal and SukumarSenguptaMahavidyalaya,Kespur,Dist- PaschimMedinipur, West Bengal,on 12-13thAugust, 2016.

PUBLICATION:

Book Chapter

1. Giri A., **Roy M.**, Sahoo S., Gayen K., Innovations in Agricultural & Biological Engineering, Santosh K. Mishra, Megh R. Goyal, and Manju Gaare,(Eds) Biological And Chemical Hazards In Food And Food Products Prevention, Practices And Management ISBN 9781774637135 chapter 8 “Heavy Metals in Milk and Milk Products” (accepted)
2. **Roy M.**, and Giri A., Apurba Giri (Eds) Immunity boosting Functional foods to combat covid 19 ISBN- 978-93-90611-51-5 Chapter-3 “Potential use of Curcumin to Combat Covid 19”.
3. Ghosh N., **Roy M.**, Ghosh M., and Bhattacharyya D, Lect.Notes Bioengineering, DoraiswamiRamkrishna et al(Eds): Advances in Bioprocess Engineering and Technology, 978-981-15-7408-5,489312_1_1 En,(chapter 21), “Formulation Production and Characterization of Nutritionally Enriched Spread Product with Blends of Fish Skin (*Labeorohita*) Oil and Chia Seed (*Salvia hispancia*) oil”.
4. Ghosh N., **Roy M.**, Ghosh M., and Bhattacharyya D, Biotechnology and biological sciences- *Sen et al.(Eds)*© Taylor & Francis Group, London, ISBN 978-0-367-43161-7“Study on Physicochemical and Antioxidative Properties of blend of fish skin (LabeoRohita) oil and chia seed oil (Salvia hispancia) oil.”.

Conference Proceedings:

1. **Roy M.** and Giri, A., Food By- Products and their application in Medical and pharmaceutical industries. DBT sponsored two day virtual national conference on Recent Development of Chemical Research Being Implemented in Biology and Medicine. Organized by Department of Chemistry, Mugberia Gangadhar Mahavidyalaya, Purba Medinipur, West Bengal, India Dated 2ND -3RD November 2021. Abstract Published in Abstract book
2. **Roy M.**, and Giri A., The Impact of COVID 19 on Food and Agriculture. National Webinar on Agriculture and Food During COVID 19 Pandemic organized by Society for World Environment, Food and Technology,(SWEFT), meerut (U.P), India dated 30th may, 2020. Abstract Published in Souvenir, Page: 60
3. **Roy M.**, and Giri A., Effect of Lockdown on Mental Health of People Due to COVID 19 Pandemic. International Webinar on Mental Health and Coping Strategies during COVID 19 and Lockdown organized by Dept. of Psychology, DAV P.G College, Varanasi, India dated 15-16th may 2020 Abstract Published in Souvenir, Page: 25 (Oral Presentation)
4. **Roy M.** and Giri, A. Effect of COVID 19 on higher education. International Webinar on Challenges to higher education post COVID-19, held on May 16, 2020, organized by IQAC, Vasant Kanya Mahavidyalaya, Kamachha, Varanasi, Under UGC quality Mandate Notification, D.V. No. 1-3/2020 (DM) Dated 28th March, 2020. Abstract Published in Souvenir, Page: 70 (Oral Presentation).
5. **Roy M.**, Giri A., and Miti P, “Effect of Breakfast Consumption on Women’s (25-35years) Health” International conference on Nutrition and Awareness of Doping in Connection with Sports, Physical Education and Yogic Science organized by Physical education Federation of India and Mahishadal Swimming club in collaboration with Panskura Banamali college and NADA. Dated 29th February and 1st March 2020, Abstract Published in CSNADSSPEYS-2020 page- 34
6. Ghosh N., **Roy M.**, and Bhattacharyya D, “Formulation Production and Characterization of Nutritionally Enriched Spread Product with Blends of Fish Skin (*Labeorohita*) Oil and Chia Seed (*Salvia hispancia*) oil” Advances In Bioprocess Engineering and Technology jointly organized by Department of Chemical Engineering and Department of Biotechnology January 20-22’ 2020 at Heritage Institute of Technology Kolkata, India.
7. Ghosh N., **Roy M.**, GhoshM, and Bhattacharyya D, “Study on Physiochemical and Antioxidant Properties of Blend of Fish Skin (*Labeorohita*) Oil and Chia Seed (*Salvia hispancia*) oil” International conference on Biotechnology and Biological Sciences organized by Department of Biotechnology Kolkata in association with The Institute of Engineers (India) August 8th -10th 2019 at University of Engineering and Management, Kolkata, India. ISBN:978-93-5361-171-2

PRESENTATION:-

Poster presentation:

National:

1. **Roy, M.**, ‘Medicinal Value of Wine’. National Seminar on “Recent Innovations in Food and Nutritional Sciences”, organized by Dept. of Nutrition and Internal Quality Assurance Cell (IQAC), MugberiaGangadharMahavidyalaya, Bhupatinagar-721425, Dist- PurbaMedinipur, West Bengal, on 31th August, 2018.
2. Khanra, C., **Roy, M.**, Role of phytoestrogen on health’. National Seminar on “Trends in Nutrition Research and Education and its Prospect”, organized by Dept. of Nutrition, Raja N. L. Khan Women’s College, Gope Palace, Midnapore-721102, Dist- PaschimMedinipur, West Bengal, on 12-13thAugust, 2016.

3. Mishra, J., Das, P., **Roy, M.**, Das, T.K. and Gayen, C.K. Hyperurecemia (high uric acid): Its causes, effects and treatments. National Seminar on “Community Metabolic Disorder and Dietary Therapeutic Approaches”, organized by Dept. of Nutrition, Raja N. L. Khan Women’s College, Midnapore, West Bengal, on 22-23rd December, 2014.

Oral Presentation

International

1. **Roy M.**, Giri A., Miti P, “Effect of Breakfast Consumption on Women’s (25-35years) Health” International conference on Nutrition and Awareness of Doping in Connection with Sports, Physical Education and Yogic Science organized by Physical education Federation of India and Mahishadal Swimming club in collaboration with Panskura Banamali college and NADA. 29th February and 1st March 2020 at Rabindra Pathagar, Mahisadal Raj College, Mahisadal, Haldia East Medinipur, West Bengal, India

INTERNATIONAL WEBINAR

1. **Roy M.**, & Giri A., has presented a paper entitled “Healthy Eating Habit to Fight Against COVID 19” International Webinar on “Probiotics, Functional Food and Nutraceuticals: Today’s Need to Maintain Healthy Life” organized by Dept. of Home Science, Arya Mahila P.G. College, Varanasi, India held on June 15th & 16th, 2020.
2. **Roy M.**, & Giri A., has presented a paper entitled “Effect of Lockdown on Mental Health of People Due to COVID 19 Pandemic” International Webinar on “Mental Health and Coping Strategies during COVID 19 and Lockdown” organized by Dept. of Psychology, DAV P.G College, Varanasi, India held on May 15-16, 2020.
3. **Roy M.**, & Giri A., has presented a paper entitled “Effect of COVID 19 on Higher Education” International Webinar on Challenges to Higher Education in Post COVID 19 organized by the Internal Quality Assurance Cell, Vasant Kanya Mahavidyalaya, Kamach, Varanasi, India held on May 16, 2020.
4. **Roy M.**, & Giri A., has presented a paper entitled “Probiotics and the Novel Corona Virus” International Webinar on “Challenges to Food and Nutrition in the Present Scenario of COVID 19” organized by Dept. of Home Science, Vasant Kanya Mahavidyalaya, Kamach, Varanasi, India held on May 13-14, 2020.

National Webinar:

1. **Roy M.**, & Giri A., has presented a paper entitled “ The Impact of COVID 19 on Food and Agriculture” National Webinar on Agriculture and Food During COVID 19 Pandemic organized by Society for World Environment, Food and Technology,(SWEFT), Meerut (U.P), India held on May 30, 2020.

WORKSHOPS/SHORT COURSES ATTENDED:--

1. Participated in the National Faculty Development Program on Advanced Research Methods and Quantitative Data Analysis Using SPSS conducted on Google meet from October 26th 2020-November 1st 2020 by Edge India Academy.
2. Participated in the IIC online Sessions conducted by Institute of Innovation Cell (IIC) of MHRD ‘s Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 25th April - 22nd May 2020 during COVID 19 nationwide lockdown.
3. Participated in ‘PRAKRITI 2018’ held during 16th-18th March 2018 at Indian Institute of Technology, Kharagpur.
4. Attend ‘Entrepreneurship Awareness camp 2017’ at Entrepreneurship development cell of IEST, Shibpur.
5. An INTERNSHIP TRAINING from 14.09.2016 -20.09.2016 in all departments of Bhupatinagar Mugberia Rural Hospital.
6. Six months course in IMPACT from Webel Informatics Limited (2014).
7. Attend BRATACHARI training from 7.02.06 to 14.02.06 at Midnapur District Bratachari and Folk Yoga Association

SEMINAR/SYMPOSIUM/CONFERENCE ATTENDED:-

International Conference:

1. DBT sponsored two day virtual national conference on Recent Development of Chemical Research Being Implemented in Biology and Medicine. Organized by Department of Chemistry, Mugberia Gangadhar Mahavidyalaya, Purba Medinipur, West Bengal, India Dated 2ND -3RD November 2021.
2. International conference on Nutrition and Awareness of Doping in Connection with Sports, Physical Education and Yogic Science organized by Physical education Federation of India and Mahishadal Swimming club in collaboration

with Panskura Banamali college and NADA. 29th February and 1st March 2020 at Rabindra Pathagar, Mahisadal Raj College, Mahisadal, Haldia East Medinipur, West Bengal, India

3. International conference on Advances in Bioprocess Engineering and Technology organized by Department of Chemical Engineering and Department of Biotechnology, Heritage Institute of Technology Kolkata, India during January 20-22, 2020.
4. International conference on Biotechnology and Biological Sciences organized by Department of Biotechnology University of Engineering and Management Kolkata in association with The Institute of Engineers (India) August 8th -10th 2019 at University of Engineering and Management, Kolkata, India.

National:

1. National Seminar on “Recent Innovations in Food and Nutritional Sciences”, organized by Dept. of Nutrition and Internal Quality Assurance Cell (IQAC), MugberiaGangadharMahavidyalaya, Bhupatinagar-721425, Dist- PurbaMedinipur, West Bengal, on 31th August, 2018.
2. National Seminar on “Trends in Nutrition Research and Education and its Prospect”, organized by Dept. of Nutrition, Raja N. L. Khan Women’s College, Gope Palace, Midnapore-721102, Dist- PaschimMedinipur, West Bengal and SukumarSenguptaMahavidyalaya, Kespur, Dist- PaschimMedinipur, West Bengal, on 12-13th August, 2016.
3. National Seminar on “Environment Friendly Biodegradable Polymers: Present and Future”, organized by Dept. of Chemistry & Nutrition, MugberiaGangadharMahavidyalaya, Bhupatinagar, PurbaMedinipur, West Bengal, on 9-10th September, 2015.
4. National Seminar on “Community Metabolic Disorder and Dietary Therapeutic Approaches”, organized by Dept. of Nutrition, Raja N. L. Khan Women’s College, Midnapur, West Bengal, on 22-23rd December, 2014.

INTERPERSONAL SKILLS:

- Ability to rapidly build relationship and set up trust
- Confident and determined
- Ability to cope up with different situation

EXTRA CURRICULAR ACTIVITIES:

Recitation, gardening,

HOBBIES:

Recitation, teaching, travelling, reading novels, listening music,

PERSONAL INFORMATION:

- Date of birth: 13.07.1997
- Gender: Female
- Father’s name: Uttam Kumar Roy
- Marital status: Unmarried
- Caste: General
- Blood group: B+ve
- Language known: Bengali, English,Hindi

DECLARATION:-

I do hereby declare that the above mentioned particulars are true to the best of my knowledge and belief

Place: PurbaMedinipur

(Monalisa Roy)

REFERENCES

- Dr. Swapan Kumar Misra, Principal, Mugberia Gangadhar Mahavidyalaya, Vil+PO –Bhupatinagar, Dist. – Purba Medinipur, West Bengal, Pin – 721425, Mob.: 9002275816, E-mail: mugberia_college@rediffmail.com

- Dr. Apurba Giri, Assistant Professor and Head, Dept. of Nutrition, Mugberia Gangadhar Mahavidyalaya, Vill+PO – Bhupatinagar, Dist – Purba Medinipur, Pin – 721425, Mobile: 9564289290, E-mail – apurbandri@gmail.com
- Dr. Dipak Kumar Bhattacharyya, Adjunct Professor School of Community Science and Technology Indian Institute of Engineering Science and Technology (IIEST), Shibpur Email-dkb_oiltech@yahoo.co.in Contact No: +91 33-2668-4561 to 63.

ANEXURE

COURSES STUDIED:-

1. Physiological Aspects of Nutrition.
2. Information, Education, Communication with Nutrition Programme.
3. Human Nutrition.
4. Community Nutrition.
5. Nutritional Biophysics, Biochemistry and Food Science.
6. Food Commodities.
7. Diet Therapy-I.
8. Food Microbiology, Hygiene and Sanitation.
9. Nutritional Physiology and Anthropometry.
10. Diet Therapy-II.
11. Health Statistics, Computer application & Research Methodology.
12. Nutritional Physiology and Anthropometry (Practical).
13. Nutritional Biochemistry(Practical).
14. Meal Management (Practical).
15. Project, Internship & Educational Excursion (Practical).
16. Diet Therapy (Practical).
17. Health Statistics, Computer & Assignment programme on research methodology (Practical).
18. Community Nutrition (Practical).
19. Basic of Food and Nutrition Science.
20. Microbiology of Food.
21. Food Processing Principles and application.
22. Preservation Principles and Application.
23. Entrepreneurship and Human Resource Management.
24. Nutrition and Human development.
25. Community Nutrition.
26. Food Chemistry and Analysis.
27. Microbial Enzyme Technology.
28. Nano Technology in Food.
29. Waste Treatment in Processing.
30. Food Biotechnology.
31. Unit Operation in Food Processing.
32. Quality assessment and food safety.
33. Food Product Design and Development.
34. Food industry Economics, Marketing and Management Study.
35. Food Processing (Practical).
36. Microbial Enzyme Technology and Biochemistry (Practical).
37. Food Chemistry and Analysis (Practical).
38. Unit Operation in Food Processing (Practical).
39. Project (Food) Preliminaries (Project Report preparation, Seminar, Project Feasibility).

HANDS ON EXPERIENCE OF INSTRUMENT:-

1. Anthropometric Rod
2. Skin Fold Caliper
3. Sphygmomanometer
4. Hemoglobin meter
5. Microscope
6. Centrifuge

7. Hot Air Oven
8. Microwave Oven
9. Reflux Condenser
10. Spectrophotometer
11. Spectrophotometer (UV)
12. Vortex Mixture
13. Water Bath
14. Micro Pipette
15. Pipette Pump
16. Soxhlet apparatus
17. Distillation apparatus
18. Muffle Furnace
19. Vacuum dryer
20. Stirrer
21. Lyophilizer
22. Penetrometer
23. Brix Refractometer
24. Homogenizer
25. Portable Precision colorimeter
26. Vacuum
27. Shaker

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