


Personal Profile

Name	DR. RAJKUMAR MAITI	
Designation	Assistant Professor & Head	
Date of birth	13.02.1976	
Educational qualification	M.Sc; B.Ed; Ph.D	
Permanent address	F-2/1 Saratpally, Midnapore, Paschim Medinipur, Pin: 722 101	
Contact number	7001978439; 9474000170(What's App)	
E-mail	rajkumar@bankurachristiancollege.in , rajkumarbcc1976@gmail.com	
Date of joining this institution	05.11.2011	
Past services	Assistant Teacher in Biological Sciences (Hons./PG), Jhalda High School, Jhalda, Purulia.	
Areas of teaching	UG in Physiology with special emphasis on Cell Biology, Cardiovascular Physiology, Circulatory System, Hematology, Immunology, Development Biology, Reproductive Physiology, Environmental Physiology, Nerve-muscle Physiology, Nervous System, Nutrition, etc.	
Vidwan Portal ID	241088	
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Google Scholar ID	https://scholar.google.co.in/citations?user=iIoSQ88AAAAJ&hl=en	
Research Gate ID	https://www.researchgate.net/profile/Rajkumar-Maiti-2	
Google Scholar Citation	1566	
h-index	15	
i10-index	18	

Faculty Development Programme

Name of the Course/ Summer School	Place	Duration	Sponsoring agency
Orientation Programme	ASC, The University of Burdwan	92 nd Orientation Programme (06.09.2013 to 03.10.2013)	UGC
Refresher Course	ASC, The University of	1 st Refresher Course in	UGC

	Burdwan	Biological Sciences (10.10.2014 to 30.10.2014)	
Refresher Course	HRDC, Ranchi University, Ranchi, Jharkhand	Refresher Course in Life Sciences (01/09/2020 to 14/09/2020)	UGC
Faculty Development Programme	Vidyasagar University Midnapore	07 Days (10/02/2022 TO 16/02/2022)	Computer Centre and IQAC, Vidyasagar University
Refresher Course	HRDC, Ranchi University, Ranchi, Jharkhand	Refresher Course in Life Sciences (06/09/2022-19/09/2022)	UGC

Research Journal Publication (National and International)

International:42

1. Chowdhury T, Bardhan S and **Maiti R**. A review of the self assembly of Phenylalanine as the hallmark of the neurological disorder Phenylketonuria (PKU) - Origin to therapeutic strategy. Proceedings of the *Indian National Science Academy*.14th September, 2023.<https://link.springer.com/article/10.1007/s43538-023-00203-8>.**[Indexed in Scopus] (IF:0.9)**
2. Chowdhury M, Chowdhury S, Bhattacharjee A, Roy C, Sarkar R, Adhikary K, **Maiti R** and Karak P. Natural antioxidants and nutraceuticals to fight against common human diseases: an overview. *European Chemical. Bulletin*. 2023, **12(Special Issue 9)**, 1505-1521.**[Indexed in Scopus]**
3. Tiwari PN, Rehman A, Sreedhar C, Jahan ZA, Kundavaram R, Bhattacharyya I, Pal R, Ashique S, Jana R, Kumar S, Adhikary K, **Maiti R** and Karak P. Development and validation of an RP-HPLC method for the determination of Rifapentine in bulk and pharmaceutical dosage form. *European Chemical. Bulletin*. 2023, **12(Issue 7)**, 4114-4118.**[Indexed in Scopus]**
4. Hauqe M, Anamika, Jha BN, Kumari P, Jana R, Shukla S, Kumar A, Bhadauria SS, Yadav P, Ashique S, Adhikary K and **Maiti R**. Development and characterization of drug loaded novel carrier for the treatment of arthritis. *European Chemical. Bulletin*. 2023, **12(Special Issue 5(Part-A))**, 104-119.**[Indexed in Scopus]**
5. Dhua R, Das B, Patsa M K and **Maiti R**. Nutritional status and its associated factors among adolescents residing in different countries: A Review. *International Journal of Food and Nutritional Sciences*. 2022; December **11(8)**: 388-403.**[UGC Care Journal]**
6. Mondal PC, Khan I, Mirgana S, Sinha NK, **Maiti R** and Mahata DK. Wastage of blood components in thalassemia patients in a rural tertiary care hospital: A retrospective study. *NeuroQuantology*, 2022; November **20(21)**:367-375. DOI: 10.48047/NQ.2022.20.21. NQ99045. **[Indexed in Scopus]**

7. Mondal PC, Mathew R, Mahata DK, **Maiti R** and Bera M. Study on clinical, socio-demographic profile; KAP among parents towards inhalation therapy in childhood asthma *NeuroQuantology*, 2022: November **20(15):**7169-7177 DOI: 10.48047/NQ.2022.20.15. NQ88718 [**Indexed in Scopus**]
8. Mondal PC, Biswas H, Khan I, **Maiti R** and Mahata DK. Electrolyte changes during phototherapy in term neonate - A prospective hospital based study. *NeuroQuantology*, 2022: October **20(14):** 2455-2464| DOI: 10.48047/NQ.2022.20.14. NQ77222 [**Indexed in Scopus**]
9. Dhua R and **Maiti R.** *Moringa oleifera* (Sajina or Drumstick) a natural herbal plant as a super food for all purpose - A review article. *NeuroQuantology*, 2022: October **20(13):** 650-660. DOI: 10.14704/NQ.2022.20.13. NQ88085. [**Indexed in Scopus**]
10. Karak P, Gupta A, Karmakar P and **Maiti R.** Comparative study of physical fitness among rural and urban school students of Bankura, West Bengal. *Al Ameen J Med Sci.* 2022; **15(3):** 203-209. [**UGC-CARE List Group-I, Sr.No. 20**]
11. Karak P and **Maiti R.** Assessment of pulmonary function test among petrol pump workers in Bankura District. *Asian Pacific Journal of Health Sciences.* 2022; **9(3):** 204 –208. [**UGC Care Journal**]
12. Sinha NK, Bera M, Mondal PC, Mahata DK, **Maiti R** and Das R. Rural-urban difference in the pattern and determinants of double burden of malnutrition among the school going children in West Bengal, India. *NeuroQuantology*, 2022; January **20(1):**712-720. DOI: DOI: 10.48047/NQ.2022.20.1.NQ22349 [**Indexed in Scopus**]
13. **Maiti, R.** Hypoglycemic and antioxidant potency of ethyl acetate fraction of hydro-methanolic extract (60:40) of *Tamarindus indica* Linn. seed in streptozotocin-induced diabetic experimental animal. *International Journal of Health Sciences.* 2021; **6(S5):** 11164–11182. <https://doi.org/10.53730/ijhs.v6nS5.10964>. [**Indexed in Scopus**]
14. Roy M, Banerjee A, Satyanarayana P, **Maiti, R** and Mandal FB. Study of BMI, glucose level and lipid profile in Type 2 diabetes mellitus. *International Journal of Pharmaceutical Research.* 2021; **13(1):** 28-35. [**UGC Reference No.63703 & Indexed in Scopus up to March 2021**]
15. Misra DS, Ghosh D and **Maiti R.** Exercise-induced oxidative stress management by methanolic extract of *Zingiber officinalis* on some vital tissues in male rat. *International Journal of Pharmaceutical Sciences and Research.* 2020; **11(3):** 1167-1175. [**Web of Science**]
16. Dutta M, Chowdhury T, **Maiti R**, Mandal FB, Sinha A and Karak P. A preliminary report on “knowledge, attitude, and practice” on “human immunodeficiency virus” among the students of a college in Bankura. *International Journal of Green Pharmacy.* 2018 (Suppl). **12 (3):** S665-S669. [**UGC Reference No. 22851**]
17. **Maiti R**, De D and Ghosh D. Antidiabetic effect of n-hexane fraction of hydro-methanolic extract of *Tamarindus indica* Linn. seed in streptozotocin-induced diabetic rat: a correlative approach with in vivo and in vitro antioxidant activities. *International Journal of Pharmaceutical Sciences and Research.* 2018; **9(5):** 1821-1830.

18. Karak P, **Maiti R**, Das P and Karmakar A. Assessment of nutritional status of school children in rural and urban areas of Bankura, West Bengal. *International Journal of Pharmaceutical Sciences and Research*. 2018; **9(1)**:338-345. [UGC Reference No. 23330]
19. **Maiti R**, Karak P, Misra DS and Ghosh D. Diabetes-induced testicular dysfunction correction by hydromethanolic extract of *Tamarindus indica* Linn. seed in male albino rat. *International Journal of Green Pharmacy*. Oct-Dec 2017 (Suppl) **11(4)**: S789- S796. [UGC Reference No. 22851]
20. Mallick S, Khatun H, Giri D, Nandi DK, Dasgupta R, Paria MK, **Maiti R**, and Das, K. Effect of phytosterol extract from sesame seed on experimentally induced hyperlipidemic rats: dose dependent study. *International Journal of Basic and Applied Sciences*. 2017; **2(1)**: 32-38.
21. Ganguly, S, **Maiti R**, Gupta M, Karak P. Comparative study of effect of farming on anthropological parameters among farmers and non-farmers. *Saudi Journal of Medical and Pharmaceutical Sciences*. **2(6)**: (Jun, 2016):129-133. <http://scholarsmepub.com/wp-content/uploads/2016/07/SJMPS-26129-133.pdf>
22. Mallick S, Mandal M, Roy S, Pradhan S, Mandal S, **Maiti R**, Nandi DK, Dasgupta R, and Das, K. Effect of phytosterol extract from sesame seed on experimentally induced hyperlipidemic rats: dose dependent study. *International Journal of Pharma and Bio Sciences*. 2016 Jan; **7(1)**: (B) 370-377. [UGC Reference No. 17357].
23. **Maiti R**, Misra DS and Ghosh D. Hypoglycemic and antioxidant potency of seed extract of *Tamarindus indica* Linn on streptozotocin induced diabetes mellitus in rat: A dose dependent study. *International Journal of Pharma and Bio Sciences*. 2015; **6(1)**: 365-380. [UGC Reference No. 17357].
24. **Maiti R**, Misra DS and Ghosh D. Hypoglycemic and hypolipidemic effect of seed hydromethanolic extract of *Tamarindus indica* L. on streptozotocin-induced diabetes mellitus in rat. *American Journal of Phytomedicine and Clinical Therapeutics*. 2014; **2(12)**: 1416-1429.
25. Misra DS, Ghosh D and **Maiti R**. Attenuation of swimming-induced oxidative stress by composite herbal supplement on antioxidative parameters in male rat. *International Journal of Pharma and Bio Sciences*. 2013; **4**: 543-552. [UGC Reference No. 17357].
26. **Maiti R**, De D, Ali KM, Chatterjee K, Misra DS and Ghosh D. Antioxidant potency of aqueous methanol extract of seed of *Tamarindus indica* for the management of streptozotocin-induced diabetic rat. *International Journal of Research in Pharmaceutical and Biomedical Sciences*. 2012; **3**: 368-381.
27. Misra DS, **Maiti R**, Mallick C and Ghosh D. Protection of swimming-induced oxidative stress in some vital organs by the treatment of composite extract of *Withaniasomnifera* *Withaniasomnifera* and *Zingiber officinalis* in male rat. *African Journal of Traditional, Complementary and Alternative Medicine*. 2009; **6**: 534-543. (IF: 2.629)
28. Misra DS, **Maiti R**, Mallick C and Ghosh D. Protective response of methanolic extract of *Ocimum sanctum*, *Withaniasomnifera* and *Zingiber officinalis* on swimming-induced oxidative damage on cardiac, skeletal and brain tissue in mal rat: a duration dependent study. *International Journal of Pharmacology*. 2006; **2**: 647-655. (IF: 0.751)
29. Das UK, **Maiti R**, Jana D and Ghosh D. Effect of aqueous extract of leaf of *Aegle marmelos* on testicular activities in rats. *Iranian Journal of Pharmacology and Therapeutics*. 2006; **5**: 21-25.

30. Mallick C, **Maiti R** and Ghosh D. Comparative study on antihyperglycemic and antihyperlipidemic effect of separate and composite extract of seed of *Eugenia jambolana* and root of *Musa paradisiaca* in streptozotocin-induced diabetic male albino rat. *Iranian Journal of Pharmacology and Therapeutics*. 2006; **5**: 27-33.
31. Das (Sarkar) S, Maiti **R** and Ghosh D. Management of fluoride induced testicular disorders by calcium and vitamin- E co-administration in albino rat. *Reproductive Toxicology*. 2006; **22**: 606-612. (IF:3.421)
32. Mallick C, **Maiti R**, and Ghosh D. Antidiabetogenic effects of separate and composite extract of seed of Jamun (*Eugenia jambolana*) and root of Kadali (*Musa paradisiacal*) in streptozotocin-induced diabetic male albino rats: a comparative study. *International Journal of Pharmacology*. 2006; **2**: 492-503. (IF: 0.751)
33. Das (Sarkar) S, Maiti **R** and Ghosh D. Fluoride induced immuno-modulation in adult male albino rat: a correlative approach to oxidative stress. *Journal of Immunotoxicology*. 2006. **3**: 49-55. (IF: 3.12)
34. Misra DS, **MaitiR**, Bera S, Das K and Ghosh D. Protective effect of composite extract of *Withaniasomnifera*, *Ocimum sanctum* and *Zingiber officinale* on swimming-induced reproductive endocrine dysfunctions in male rat. *Iranian Journal of Pharmacology and Therapeutics*. 2005; **4**: 110-117.
35. Paul D, Bera S, Jana D, **Maiti R** and Ghosh D. In vitro determination of the contraceptive spermicidal activity of a composite extract of *Achyranthes aspera* and *Stephania hernandifolia* on human semen. *Contraception*. 2006; **73**: 284-288. (IF: 3.375)
36. **Maiti R**, Das UK and Ghosh D. Attenuation of hyperglycemic and hyperlipidemia in streptozotocin-induced diabetic rats by aqueous extract of seed of *Tamarindus indica*. *Biological Pharmaceutical Bulletin*. 2005; **28**: 1172-1176. (IF:2.264)
37. Das (Sarkar) S, **Maiti R** and Ghosh, D. Induction of oxidative stress on reproductive and metabolic organs in sodium fluoride treated male albino rats: protective effect of testosterone and vitamin-E co-administration. *Toxicology Mechanism and Methods*.2005; **15**: 271-277.(IF: 4.111)
38. **Maiti R**, Jana D, Das UK and Ghosh D. Antidiabetic effect of aqueous extract of seed of *Tamarindus indica* in streptozotocin-induced diabetic rats. *Journal of Ethnopharmacology*. 2004; **92**: 85-91. (IF: 5.195)
39. Jana D, **Maiti R** and Ghosh D. Effect of *Stephania harnadifolia* leaf extract on testicular activity in rats. *Asian Journal of Andrology*. 2003; **2**: 125-129. (IF: 3.054)
40. Ghosh D, Das (Sarkar) S, **Maiti R**, Jana D, and Das UB. Testicular toxicity in sodium fluoride treated rats: association with oxidative stress. *Reproductive Toxicology*. 2002; **16**:385-390.(IF: 3.421)
41. Ghosh S, Misro MM, Das UB, **Maiti R**, Debnath J and Ghosh D. Effect of human chorionic gonadotrophin co-administration on ovarian steroidogenic and folliculogenic activities in cyclophosphamide treated albino rats. *Reproductive Toxicology*. 2001; **15**: 221-225. (IF: 3.421)

42. Jana D, Nandi D, **Maiti RK**, and Ghosh D. Effect of human chorionic gonadotrophin co-administration on the activities of ovarian Δ^5 , 3β -hydroxysteroid dehydrogenase, and 17β -hydroxysteroid dehydrogenase, and ovarian and uterine histology in lithium chloride-treated albino rats. *Reproductive Toxicology*. 2001; **15**: 215-219. (IF: 3.421)

National:

1. **Maiti R**, Choudhuri S, Das UB, Chattopadhyay S and Ghosh D. Evaluation of the leaf extract of *Stephania harnadi folia* (Aknadi) as female contraceptive agents in mature albino rat. *Vidyasagar University Journal of Biological Science*. 1999; **5**: 13-16.

BOOKS / BOOK CHAPTERS / MONOGRAPHS

1. The interplay between endoplasmic reticulum stress mediated ROS generation and Apoptosis in human diseases.
Satyajit Halder, Nikhilesh Joardar, **Rajkumar Maiti**, Debidas Ghosh and Kuladip Jana. Nova Publication. USA (In Press).

POPULAR ARTICLES

NIL

PAPER PRESENTATION/ PARTICIPATION: CONFERENCES/SEMINARS /SYMPOSIA /WORKSHOPS

Title of the Seminar/Conference /Workshop	Title of the Paper	Sponsoring Agency	Name of the Host Institution	Date(s)
National Conference on SASE-2023	Ameliorating potential of fenugreek seed extract on sodium fluoride induced spermatogenic and androgenic disorders in male albino rats. (Oral Presentation)	NESA, New Delhi	Department of Dravyaguna, Institute of Medical Sciences, Banaras Hindu University, Varanasi	Dated on 22 nd -23 rd April, 2023
International Conference on Natural Science and Green Technologies for Sustainable Development (NDSG-2022).	Effect of fenugreek seed extract on fluoride induced testicular disorders in albino rats. (Oral Presentation)	Goa University, Taleigao Plateau in collaboration with NESA, New Delhi	Goa University, Taleigao Plateau	30 th to 2 nd December, 2022
Two days International Seminar on International	“Hypoglycemic and antioxidant potency of ethanolic fraction of hydro-methanolic extract (60:40) of	Raja N L Khan Women’s College,	Raja N L Khan Women’s College, Midnapore,	Dated on 28th & 29th January, 2022

Seminar with Hands on Training on Advancement of Science behind COVID and its Management.	<i>Tamarindus indica</i> Linn. seed in streptozotocin-induced diabetic rat”. (Oral Presentation)	Midnapore , West Bengal.	West Bengal	
One Day State level Seminar on “Rural Health Ecology: Issues of Public Health, Nutrition and Fluorosis”	Antidiabetic and antihyperlipidemic effect of methanolic extract of <i>Tamarindus indica</i> Linn seed in streptozocin induced diabetic rats. (Oral Presentation).	Bankura Sammilani College, Bankura & Distract Fluorosis Control Programme, CMOH, Bankura	Department of Nutrition, Bankura Sammilani College, Bankura.	11 th January, 2017.
UGC sponsored one day National seminar on Current Trends of Research in Human Physiology and Community Health, dated	Antidiabetic and antihyperlipidemic effects of seed hydromethanolic extract of <i>Tamarindus indica</i> L. on streptozotocin induced diabetic Wister rats: a dose dependent study. (Oral Presentation).	UGC, Govt. of India	Department of Human Physiology and Community Health, Vidyasagar University, Midnapore	March, 27, 2015.
ICMR-Sponsored Two-Day National Seminar on Community Metabolic Disorder and Dietary Therapeutic Approaches	Antidiabetic effect of hydromethanolic extract of <i>Tamarindus indica</i> L. seed in streptozotocin induced diabetic rat: A correlative approach with antioxidant activity (Oral Presentation).	ICMR, Govt. of India	Department of Nutrition, Raja N. L. Khan Women’s College. (Oral Presentation).	22 nd and 23 rd , December, 2014

RESEARCH PROJECTS

NA

- Name of the Research Project:
- Funded by:
- Amount sanctioned:
- Memo No. and Date:
- Date of Completion:

RESEARCH GUIDANCE NA

- Name of the candidate:
- Registration No:
- Date of Registration: dd/mm/yy
- Area of Research: Title
- Awarded/Ongoing:

AWARD/RECOGNITION/MEMBER OF BOARD OF STUDIES/ACADEMIC ACTIVITIES

Award:

1. Prof. B. B. Sarkar Memorial Oration 2019 Award from Physiological Society of India (PSI), XXXIst Annual Conference of Physiological Society of India (PHYSICON-2019).
2. NESAI Distinguished Scientist of the Year Award 2022, by the NESAI Award Committee, New Delhi, India
3. NESAI Environmentalist of the Year Award 2023, by the NESAI Award Committee New Delhi, India

Member of Board of Studies:

1. Convener of Undergraduate Board of Studies in Physiology, Bankura University from 2017 onwards.
2. Member of Undergraduate Board of Studies in Physiology, Raja N.L. Khan Women's College, Midnapore, West Bengal from 2019 onwards.
3. Member of Undergraduate Board of Studies in Nutrition, Raja N.L. Khan Women's College, Midnapore, West Bengal from 2019 to 2022.
4. Member of Undergraduate Board of Studies in Physiology in Kazi Nazrul University, Asansol, West Bengal from 2020 onwards.
5. Member of Undergraduate Board of Studies in Multi Skilled Health Worker (MMSHW), Raja N.L. Khan Women's College, Midnapore, West Bengal from 2019 onwards
6. Member of Undergraduate Board of Studies in Nutrition, Raja N.L. Khan Women's College, Midnapore, West Bengal from 2019 to 2022.

ACADEMIC ACTIVITIES:

1. Secretary of Teachers' Council, Bankura Christian College from 12.09.2023 onwards
2. Convener of the Fixation and Arrear sub-committee of Teachers' Council, Bankura Christian College from 2017 to 11.09.2023
3. Member of IQAC, Bankura Christian College, Bankura West Bengal from 2021 to onwards
4. Member of UGC, Bankura Christian College, Bankura West Bengal.
5. Convener of the Carrier Advancement Scheme (CAS) sub-committee of Teachers' Council, Bankura Christian College from 2022 to 11.09.2023

COMMUNITY WORK/SOCIAL ACTIVITY

1. Health check-up-camp in collaboration with NSS, dated 29th September 2012 at Shyamdasnagar, Bankura.

2. Resource person in the N.S.S Special Health Check-up Camp dated on 20.12.2014 at Junbedia Gram Panchayat, Bankura in collaboration with N.SS Unit-I and Unit-II, Bankura Christian College.
3. Health check-up-camp in fisherman at Sankarpur Digha with departmental students dated 19th to 21th December, 2018.
4. Health check-up-camp in fisherman at Sankarpur Digha with Nutrition departmental students dated 19th to 21st December 2022

ANY OTHER

1. **Invited lecture** on *Tamarindus indica* seed extract ameliorates testicular injury in streptozotocin induced diabetes mellitus in rat in XXXIIIrd Annual Conference of Physiological Society of India (PHYSICON-2022) International Conference on Research and Technological Advancement in Health Sciences and Sustainable Development organized by Department of Human Physiology along with Distinguished Faculty Members of Vidyasagar University, Midnapore, West Bengal, India, 3rd – 5th March, 2023.
2. **Resource Person:** Two days National Level Seminar on “Foodomics in Functional Food Preparation Based Industrial Process”. 5th and 6th February, 2019 sponsored by SERB, DST, DBT, Govt. of India at Midnapore City College. Midnapore. West Bengal.
3. **Resource Person :** Environmental Change: Adaptation Challenges by Sustainable Development: 13th and 14th July, 2018 sponsored by Department of Biotechnology, Govt. of India & ICMR, Govt. of India at Midnapore City College. Midnapore. West Bengal.
4. **Resource Person :** Two days National Level Seminar on “Role of Basic Sciences in Translational Research Applied on Biological Sciences and Human Health”. 5th and 6th February, 2018 sponsored by Science and Engineering Research Board, DST, Government of India at Midnapore City College. Midnapore. West Bengal.
5. **Resource Person :** UGC sponsored Two days National Level Seminar on “ Trends in Nutrition Research and Education and its Prospect” on 12.08.2016 -13.08.2016
6. **Co-Chair Person:** In the technical session of One Day State Level Seminal on Science and Technology for National Development on 11th march, 2017 at Department of Physiology Ramananda College, Bishnupur, Bankura. West Bengal.

7. **Co-Chair Person:** International Conference on Natural Science and Green Technologies for Sustainable Development (NDSG). Dated on 30th November to 2nd December 2022 at Goa University, Taleigao Plateau, in collaboration with NESAI, New Delhi

ANY OTHER MEMBER OF ACADEMIC/PROFESSIONAL ASSOCIATION:

NATIONAL:

1. Life Member of Physiological Society of India.
2. Executive Member of Physiological Society of India.
3. Life Member of National Environmental Science Academy (NESAI), New Delhi, India