

Dr. Dipayan Choudhuri, Ph.D.
Department of Human Physiology
Tripura University (A Central University),
Suryamaninagar-799022, Tripura.
Email id: dipayanchoudhuri@tripurauniv.in &
dipayanchoudhuri@gmail.com
Phone Number: 91-9436461010

Academic Qualification: M.Sc., Ph.D

Date of Birth: 10-11-1961

Department: Department of Human Physiology

Present Designation: Associate Professor & HOD

Subject Taught: Reproductive Physiology and Endocrinology

Selected Publications in Peer Reviewed Journals:

1. Das S, Choudhuri D. Dietary calcium regulates the risk renal injury in high fat diet induced obese rats by regulating renal lipid metabolism, oxidative stress and inflammation. Archives of Physiology and Biochemistry, March 2020 <https://doi.org/10.1080/13813455.2020.1746812>
2. Das S, Choudhuri D. Dietary calcium regulates the insulin sensitivity by altering the adipokine secretion in high fat diet induced obese rats. Life Sciences 250 (2020) 117560.
3. Sutradhar B., Choudhuri D. Factors Associated with Nutritional Status of Adolescent Schoolchildren in Tripura Indian Pediatrics 57(2): 4-5, 2020.
4. Nath N., Choudhuri D. Relationship Between Cardio-metabolic Risk Factors and Pulmonary Function in Young Adults. Int. J Sci. Res. 9(3) : 59-62, 2020.
5. Das S., Choudhuri D. Effect of Dietary Calcium on Adipogenesis Program and its Role in Adipocyte Dysfunction in Male Wister Rats. Proceedings of the National Academy of Sciences, India Section B: Biological Science. 2019. <https://doi.org/10.1007/s40011-019-01135-4>
6. Das S., Choudhuri D. Calcium supplementation shows a hepatoprotective effect against high-fat diet by regulating oxidative-induced inflammatory response and lipogenesis activity in male rats. Journal of Traditional and Complementary Medicine, 2019. <https://doi.org/10.1016/j.jtcme.2019.06.002>

7. Das S., Choudhuri D. Prolonged exposure to different types of energy restricted calcium diet modulates the inflammatory and oxidative stress response in healthy male rats. *Asian J Pharm Clin Res* 12 (8), 154-159, 2019.
8. Nath N., Choudhuri D. Evaluation of Health Related Quality of Life and Components of Metabolic Syndrome Among Young Adults. *J. Cardiovascular Disease Res.* 9(3): 146-150, 2018.
9. Das S., Choudhuri D. Role of Low Calcium and High Calcium Diet on Adipocyte Metabolism with Respect to Serum Parathyroid Levels in Male Albino Rats. *Indian J. Physiol. Pharmacol.* 61 (4) : 430-439, 2017.
10. Sutradhar S., Choudhuri D. Prevalence of Pre hypertension and Hypertension Among School Going Adolescents (14-19 years) Of Tripura India. *Indian J. Med. Specialities.* 8 : 179-186, 2017.
11. Nath N., Choudhuri D. Association Between Cardio Respiratory Fitness and Components of Cardio Metabolic Syndrome in Young Adults from Tripura. *Biomedicine.* 3794): 568-575, 2017.
12. Choudhuri D. , Bhattacharjee T. Effect of Exposure to Mixture of Heavy Metals Arsenic, Cadmium and Lead on Reproductive Function and Oxidative Stress in Rats. *Int. J. Pharmacological and Toxicological Res.* 9(3) : 221-229, 2017
13. Sen P., Das S., Choudhuri D. Correlation Between Hematological Parameters and Cardio-metabolic Risk Factors: Report of Study Among Ethnic Tribal Women of Tripura, India. *Int. J. Pharmaceuti, Chemical and Biological Sci.* 8(3) : B1-6. 2017.
14. Sutradhar B., Choudhuri D. Nutritional Status of Adolescents of Tripura – A North Eastern State of India. *Biomedicine.* 37(2) : 274-278. 2017.
15. Sen P, Das S, Choudhuri D. Correlates of Cardiometabolic Risk Factors among Women of an Ethnic Tribal Community of Tripura. *Indian J Public Health.* 61:1-8, 2017.
16. Bhattacharjee T, Choudhuri S, Choudhuri D. Oxidative stress in rat liver and kidney due to chronic exposure to a mixture of arsenic, cadmium lead: Protective role of selenium and zinc. *Asian J Pharm Clin Res.* 10(7) : 1-7, 2017.
17. Saha J, Choudhuri S, Choudhuri D. Effect of sub chronic exposure to chromium on hematological and biochemical parameters of male albino rat. *Asian J Pharm Clin Res.* 10(5) : 345-348, 2017.
18. Sen P, Das S, Hore S, Bhattacharjee S, Choudhuri D. Obesity and associated cardiometabolic risk among women from Tripura - A northeastern state of India. *J Mid-life Health.* 8(2):1-8, 2017.

19. Bhattacharjee T., Bhattacharjee S., Choudhuri D. Hepatotoxic and Nephrotoxic Effects of Chronic Low Dose Exposure to a Mixture of Heavy Metals – Lead, Cadmium and Arsenic. *Int. J. Pharmaceuti, Chemical and Biological Sci.* 6(1) : 39-47. 2016.
20. Choudhuri D. Sutradhar S. Quantitative Phenotypic traits of Cardiovascular Disease Risk. *Indian J. Paediatrics.* 83(8) : 904-905, 2016.
21. Choudhuri S., Aithala M., Choudhuri D. Screening for cardio metabolic risk profile in middle aged pre menopausal Indian women. *Journal Cardiovascular Disease Research.* 6 (1): 3-8, 2015.
22. Choudhuri D., Sutradhar B. Pulmonary function of adolescents from Tripura, A North Eastern State of India. *Lung India.* 32 (4): 353-358,2015.
23. Choudhuri S., Aithal M., Choudhuri D. Anthropometric and Atherogenic risk of cardiometabolic disorders in women. *Int. J. Collabo. Res. Internal Med. Pub. Health.* 7(8): 164-171, 2015.
24. Choudhuri D., Aithala M., Choudhuri S. (2014): Relationship between cardiovascular function and markers of adiposity in young female subjects. *Int J. Med. Sci. Public Health.* 3 (2): 161-164, 2014.
25. Bhattacharjee T., Saha J., Choudhuri D. Effect of subchronic exposure to a mixture of water contaminating heavy metals on haematological parameters and fertility of female rats. *Int J Pharm Bio Sci.* 5(1): (B) 794- 800, 2014.
26. Choudhuri D., Choudhuri S. The characteristics and determinants of Maximal expiratory pressure in young adults from Tripura. *Int. J. Med Res. Health Sci.* , 3(2) : 364-368, 2014.
27. Choudhuri D., Choudhuri S. Effect of gender and body mass index on pulmonary function tests in adolescents of Tribal population of Tripura. *Ind. J. Physiol. Pharmacol.* , 58(2) : 167 – 171, 2014.
28. Choudhuri D., Choudhuri S. Effect of Vitamin C supplementation on aerobic capacity, blood pressure and pulmonary functions in young male subjects *European Journal of Sports and Exercise Sciences*, 3(2) : 6-11, 2013.
29. S.Patil, D.Choudhuri,G.B.Dhanakshirur Role of alpha tocopherol on cardiopulmonary fitness in endurance athletes, cyclist *Indian.J.Physiol. Pharmacol.* Vol.53(4), 375- 379, 2009.
30. D.Choudhuri,S.Choudhuri,V.A.Kulkarni Physical fitness: A comparative study between students of residential (sainik) and non residential schools (aged12-14 years). *Indian.J.Physiol. Pharmacol.* Vol.46(3), 328- 332, 2002.

31. Choudhuri D, Aithal M, Kulkarni VA.. Maximal expiratory pressure in residential and non residential school children. Indian J. Pediatrics. Vol.69, 229-232, 2002.
32. Choudhuri D,. Adhikary P, Banerjee J, Jana S, Chatterjee A. Pregnancy interceptive effects of Piper betle. Fitoterapia. Vol.LXII,No.5, 397-401,1991.
33. Adhikary P, Banerji J, Choudhuri D, Das AK, Deb CC, Mukharjee SR, Chatterjee A. Effect of oral administration of stalk of leaves of Piper betle Linn.on oestrous cycle and its antifertility activity in rats. Ind. J. Physiol. & Allied Sci. Vol.44,No.3. 116-123,1990.
34. Adhikary P, Banerjee J, Choudhuri G, A.Das AK, Mukharjee SR, Chatterjee A. Effect of Piper betle Linn. (stalk) extract on male rat fertility. Indian J. Pharmac. Vol.22,145-149,1990.
35. Adhikary P, Banerji J, Choudhuri D, Das AK, .Deb CC, Mukharjee SR, Chatterjee A. Antifertility effects of Piper betle Linn. Extract on ovary and testis of albino rats. India J. Expt. Biol.Vol.27,p. 868-870, 1989.

Invited Lectures/Paper Presented/Chaired Session/Resource Person (Recent):

Sl. No .	Title of the paper presented	Title of Conference/ Seminar	Date / Organized by	Whether International / National level	Type of presentation
1.	Role of Dietary Calcium on Adipogenesis in Male Rats	Two Day International Conference on Contemporary Innovative Issues and Future Challenges in Physiology and Allied Sciences (ICCIIFCPAS-2020)	21 ST To 22 nd January 2020 Organized By Dept. of Human Physiology, Vidyasagar University, Midnapore, West Bengal	International	Plenary Lecture
2.	Resource Person	15 Day Refresher Course on “ ICT: Improving Quality and Innovation in Higher Education”	01 st March to 15 th March 2019 Organized By Faculty Development Centre at Tripura University	National	Resource Person
3.	Calcium Supplementation and Obesity – Role of Calcium Sensing Receptor.	Physiocon 2018 XXX th Annual Conference of The Physiological Society of India (PSI)	22 ND To 24 th November 2018 Organized by Dept. of Human Physiology,	National	Invited Speaker

			Serampore College, Hooghly, West Bengal.		
4.	Resource Person	30 Day Long Induction Training of Faculty Programme	13 th March-14 th April, 2018 Organized By Faculty Development Centre at Tripura University	National	Resource Person
5.	Resource Person	Training Program of School Teachers under Rastriya Avishkar Abhiyan, Under Govt. of Tripura.	17 th to 21 st July 2017 Tripura University, Agartala, Tripura.	National	Resource Person
6.	Chaired a Session	National seminar on youth in India : Issues and challenges	17 th – 18 th March, 2017. Tripura University, Agartala, Tripura	National	Chaired a Session
7.	Cardio metabolic syndrome : An emerging health risk among young adults from Tripura.	National seminar on youth in India : Issues and challenges	17 th – 18 th March, 2017. Tripura University, Agartala, Tripura.	National	Invited Lecture
8.	Ovarian Toxicity and oxidative stress due to chronic exposure to mixture of water containing Heavy Metals	International Conference on Reproductive Biology & Endocrinology	9 th – 11 th February, 2017. University of Hyderabad, Hyderabad, AP.	International	Invited Lecture
9.	Chaired a Session	Seminar cum Workshop “Recent trends in Biotechnocological research”	20 th to 22 nd January 2016. Organized By State Bio-Tech Hub, Tripura University.	National	Chairperson of Scientific Session
10.	Cardio metabolic risk assessment for women	103 Indian Science Congress.	3 rd – 7 th January, 2016. Mysore University, Mysuru, Karnataka.	National	Paper presentation
11.	The emerging health hazard in middle aged Indian women.	XXVI TH Annual National Conference of Physiological Society of India (PSI)	19 th – 21 th December, 2014. Berhampore Girls College,	National	Invited Speaker

			Berhampore, WB.		
12.	Studies on obesity & atherogenic markers of metabolic syndrome in middle aged Indian women	International Congress on Women's Health	11 th – 13 th July, 2014. Sri Venkateshwara Medical College, Tirupati, AP.	International	Invited Lecture
13.	A study on association between physical activity, physical fitness and health related quality of life in young adults.	National seminar on Mental health and wellbeing of adolescents and young adults : AN Indian perspective	22 nd -23 rd March, 2014. Dept. of Psychology, TU, Tipura.	National	Paper presentation
14.	Role of Antioxidant supplementation on cardiorespiratory functions of healthy female subjects.	101 st Indian Science Congress	3 rd -7 th February, 2014. INSA, University of Jammu, JK.	National	Paper presentation
15.	Characteristics and determinants of maximal expiratory pressure in healthy adolescents from Tripura	3 rd National Conference of Society of Biological Scientists of India.	4 th -6 th January, 2013. Karpaga Vinayakga Institute of Medical Sciences & Research Institute, TN.	National	Invited Lecture

Seminars, Conferences, Short term training courses attended (Recent) :

1. Attend a workshop on “Workshop on Intellectual Property Rights (IPR)” at Tripura University on 1^{7th} January 2020.
2. Attend a workshop on “Cyber Security Overview” at Tripura University on 25th September 2018.
3. Attend a workshop on 30 Day Long “ Induction Training of Faculty Programme” from 4th September to 3rd October 2018, Organized by Faculty Development Centre, Tripura University.

4. Attend and participated a workshop on “Workshop on Techniques in Genomic Research” conducted at State Bio-Tech Hub, Tripura University on 19th-23rd March 2018.
5. Attended and participated at Workshop on “Role of Local Chapters” conducted by IIT, Kanpur, at Tripura University on 24th April, 2017.
6. Attended and participated at Training programme on” Virtual class system “organized by Computer centre of Tripura University at Tripura University on 19th to 23rd September, 2016.
7. Attended and participated at Workshop on “Statistical data analysis method” organized by ISI, Kolkata, at Tripura University from 18th to 24th November 2015..
8. Attended and participated at Workshop on “The sexual harassment of women at work place (prevention, prohibition, redressal) Act 2013” organized by Women’s grievance redressal committee, TU, at Tripura University on 27th November, 2014.
9. Attended and participated at Author Workshop on “Skill development to write scientific literature, quality improvement of manuscript for publication success” organized by Springer at Tripura University on 18th November, 2014.
10. Attended and participated at Author Workshop on “Understanding the books and journal article publishing process” organized by Elsevier at Tripura University on 26th September, 2014.
11. Attended, participated and acted as chairperson of scientific session at National 3rd National Conference of Society of Biological Scientists of India at KVIMSRI, TN, from 4th to 6th January 2013.

Sponsored Research Projects:

Sl. No.	Title	Agency	Period	Status	Amount of Project
01.	Nutritional and cardio respiratory status of tribal children of Tripura: Development of reference standard for Spirometry.	Indian Council of Medical Research (ICMR), New Delhi	26. 03. 2012 – 25. 03. 2015.	Completed	Rs. 11,89,636.00
02.	Role of calcium sensing receptor on adipocyte in rats fed with low and high calcium diet.	Indian Council of Medical Research (ICMR), New Delhi	18.02.2015- 17.02.2017	Completed	Rs.22,28,130.00
03.	"Studies on effect of calcium intake on adipocyte Calcium sensing receptor	Indian Council of Medical Research (ICMR), New	01.11.2018- 31.10.2020	Continuing	Rs. 24, 53,210.00

activity and pathogenesis of diet induced obesity and insulin resistance in rats”	Delhi			
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Research Guidance:

Sl. No.	Name with Registration No.	Title of the proposed Ph. D. Thesis	Present Status
01.	Ms. Sutapa Datta F.TU/REG/Ph.D. (Sc)/10-3/2011 Dated 5/12/2011	Nutritional status and bone health in young adult college student of Tripura from different ethnic backgrounds	Awarded 2017
02.	Ms Tapasi Bhattacharjee TU/REG/Ph.D. /(SC)/10-3/2011 Dated 17/10/2012	Studies on Reproductive and Developmental Toxicity of Chronic Low dose exposure to a mixture of metals (Cd, Pb, and As): Possible Ameliorative effect of some Antioxidant Micronutrients.	Awarded 2018
03.	Mr. Balarum Sutradhar F.TU/ REG/Ph.D/Hu. Phy/10 (16-14) (2) 2014 Dated: 6/2/2014	Studies on pulmonary functions and cardiovascular status of tribal adolescent from Tripura and determination of reference standard for Spirometry	Awarded 2018
04.	Ms. Purnajita Sen F.TU/ REG/Ph.D/Hu. Phy/10 (16-15) (3) 2014 Dated: 6/2/2014	Studies on Cardio metabolic risk profile in post menopausal ethnic women of Tripura	Awarded 2019
05.	Ms. Jahnabi Saha F.TU/ REG/Ph.D/Hu. Phy/10 (16-16) (4) 2014 Dated: 6/2/2014	Studies on various aspects of sub-chronic exposure to Chromium on Male Reproductive system	Pursuing
06.	Mr. Sandeep Das F/TU/COE/Ph.D/10 HPhL/11/16 Dated: 27/07/2016	Studies on the Metabolic Effect of Low and High Calcium Diet on Adipocytes of Rats.	Completed public seminar 2019
07.	Ms. Nabamita Nath F/TU/COE/Ph.D/10HPhL/08/ 15 Dated: 12/1/2015.	Studies on Correlates of Metabolic Syndrome Among Young Adults of Tripura.	Pursuing
08.	Mr. Prabir Kr. Saha F.TU/COE/Ph.D/10/HPhL/09/ 15 Dated: 11/9/2015	Studies on Assessment of Cardiovascular Risk in Hypothyroid Subjects	Pursuing

Peer Reviewer of Scientific Journals:

- i) Journal of Food Biochemistry – Reviewer
- ii) Asian Journal of Pharmaceutical and Clinical Research- Reviewer
- iii) Current Protein & Peptide Science – Reviewer
- iv) Pathophysiology- Reviewer
- v) Archives of Physiology and Biochemistry- Reviewer
- vi) Indian Journal of Physiology and Pharmacology - Reviewer
- vii) Medicinal Chemistry
- viii) Drug Design, Development and Therapy
- ix) Journal of Tropical Pediatrics
- x) African Health Sciences
- xi) Food and chemical toxicology

Membership of Professional Bodies:

- i) Life Member, Indian Science Congress Association.
- ii) Life Member, Physiological Society of India.
- iii) Life Member, Society of Biological Scientists of India