CURRICULUM VITAE
OF
PROFESSOR (DR.) GOUTAM PAUL

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M.Sc. (Calcutta University First Class First), M.Phil., Ph.D., D.Sc., FABMS, FPSI GATE, NET, FIUPS, Formerly WBES, Calcutta University Gold Medalist 1987 (Chancellor's/Governor's Gold Medal), Dr M. S. Krishnamoorthy Award Winner 2010, Recipient of Ramendra Sundar Sinha Gold Medal 2011 of Physiological Society of India, Calcutta University Parul Shiksha Samman 2017, Recipient of Raj Kristo Dutt Memorial Award 2017-18 of Indian Science Congress Association 2018, KFC Ratna Award 2022

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I BIOGRAPHY

1.	Name	:	**DR. GOUTAM PAUL**
2.	Date of Birth	:	May 22, 1964
3.	Sex	:	Male
4.	Category	:	General
5.	Nationality	:	Indian (Natural Citizen of India)
6.	Marital Status	:	Married
7.	Father's Name	:	Late Subal Sakha Paul
8.	Residential Address	:	B-8, Pubali Garden, P.O.- Narendrapur, Kolkata-700103, West Bengal, India

II CURRENT POSITION/POST HELD

***PROFESSOR (Recruited Directly)**, Department of Physiology, Kalyani University

(* Professor since 11.04.2012, continuing)

PRESIDENT, Ad-hoc Committee, West Bengal Board of Primary Education (Additional Charge)
CHAIRMAN, West Bengal Joint Entrance Examinations Board (Additional Charge)
GENERAL PRESIDENT, Indian Science Congress Association
FORMER HEAD, Department of Physiology, Kalyani University
FORMER DEAN, Faculty of Science, Kalyani University
FORMER PRO-VICE-CHANCELLOR, Kalyani University
FORMER VICE PRESIDENT, The Physiological Society of India
VICE PRESIDENT, South Asian Association of Physiologists
FORMER SECTIONAL PRESIDENT, Section of Medical Sciences (including Physiology), 108th ISC

** Total teaching experience of **36+ Years** and Experience in Academic-Administrative Governance of **15+ Years** as Head of the Department, Dean of the Faculty of Science and Pro-Vice-Chancellor; 11 Years as member of the Executive Council, 13 Years as Member of the Court, 6 Years as Chairman of the PG Board of Studies, and 10 Years as Chairman of the UG Board of Studies of Kalyani University, and 3+ Years as President, Ad-hoc Committee, West Bengal Board of Primary Education

(Vide Section V B. 3. & VI (Professional Hierarchy) of CV, Page No.4 and 5)

Goutam Paul

III ACADEMIC PROFILES

A. Academic Qualifications :

M.Sc. (First Class First) (Calcutta University Gold Medalist), M.Phil. (Environmental Science) (Calcutta University), Ph.D. (Calcutta University), **D.Sc.** (Kalyani University), MABMS, ex-FIUPS, FABMS, FPSI, GATE (94.33 percentile), NET (Joint CSIR-UGC), ex-WBES.

B. Brief Academic Profiles :

1. Examinations Passed/Degree Awarded

2016 **- D.Sc. (Doctor of Science)**
Institute : Kalyani University
Subject : Physiology

1999 **- Ph.D. (Doctor of Philosophy)**
Institute : University of Calcutta, India
Subject : Physiology

1989 **- M.Phil. (Master of Philosophy)**
Institute : University of Calcutta, Calcutta, India
Subject : Environmental Science
Division : **1st Class (70%)**

1987 **- Master of Science (M.Sc.)**
Subject : Physiology
Institute : University of Calcutta, West Bengal, India
Division : **First Class First** (70%) – 1st class 1st in the batch

1985 **- Bachelor of Science (B.Sc. Hons.)**
Subject : Physiology
Institute : University of Calcutta, West Bengal, India
Division : **2nd Division** (56%)

1982 **- Higher Secondary (10+2)**
Subject : Science
Institute : WBCHSE
Division : **1st Division** (62%)

1980 **- Madhyamik**
Institute : WBBSE
Division : **1st Division** (64%)

2. Other Academic Qualifications (National Examinations Passed)

a) GATE- 94.33 Percentile, 1990 (Dept. of Edn., Min. of HRD, Govt. of India).
b) NET, 1991 (Joint CSIR-UGC) – Lectureship in Life Sciences.
c) West Bengal Education Service (WBES), 1991(PSC, West Bengal).

IV ACADEMIC DISTINCTIONS AND AWARDS

1.	**Order of Merit at the M.Sc. (Physiology) Examination, 1987**	Stood FIRST in aggregate in Class-I in order of Merit at the M.Sc. (Physiology) examination held in July, 1988 of the University of Calcutta and received Calcutta University Gold Medal.
2.	**Position on the Panel made by PSC in 1991 for the selection of Lecturer in Physiology**	Ranked First on the panel made by PSC (Public Service Commission), West Bengal, on the basis of interview in 1991 in regard to the selection of Lecturer in Physiology for Govt. Colleges.

Goutam Paul

3.	**Recipient of IUPS Fellowship, 1997**	Awarded IUPS (International Union of Physiological Sciences) Fellowship in order to participate in XXXIII IUPS Congress, held at St. Petersburg, Russia, June 30 to July 5, 1997.
4.	**Recipient of Young Investigator Award, 2001**	Awarded IUPS Young Investigator Award in order to attend XXXIV IUPS Congress, held at New Zealand, August 26 to 31, 2001.
5.	**Recipient of 'MABMS' Title in the Year 2007**	Awarded 'MABMS' title for his scientific contribution in the biomedical field by the Indian Association of Biomedical Scientists (IABMS) in a special convocation of the 28th Annual Conference of IABMS held on September 20, 2007 at Bharathidasan University, Tiruchirapalli, Tamil Nadu.
6.	**Recipient of 'FABMS' Title in the Year 2008**	Awarded 'FABMS' title for his scientific contribution in the biomedical field by the Indian Association of Biomedical Scientists (IABMS) in a special convocation of the 29th Annual Conference of IABMS held on December 12, 2008 at Ragas Dental College & Hospital, Uthandi, Chennai, Tamil Nadu.
7.	**Recipient of Dr M. S. Krishnamoorthy Award for the Year 2010**	Received Gold Medal for his research paper in the field of Environmental Toxicology and Pharmacology as Dr M. S. Krishnamoorthy award 2010 in a special convocation of the 31st Annual Conference of IABMS held on 29th – 31st October 2010 at SVCP, Elayampalyam, Thiruchengode, Tamil Nadu.
8.	**Recipient of Ramendra Sundar Sinha Gold Medal, 2011 of PSI:**	Received Ramendra Sundar Sinha Gold Medal of Physiological Society of India (PSI) for his contribution in the field of physiology in 2011 (received in 2012).
9.	**Recipient of the Mahasweta Devi Smriti Award 2017**	Received Mahasweta Devi Smriti Award 2017 conferred by Udar Akash Publication House (Kolkata) for his outstanding contribution for popularizing the science.
10.	**Recipient of Calcutta University Parul Shiksha Samman 2017**	Received Calcutta University Parul Shiksha Samman on 5th September, 2017 in recognisition of his outstanding academic contribution in the field of Higher Education.
11.	**Recipient of the Raj Kristo Dutt Memorial Award 2017-18**	Received Raj Kristo Dutt Memorial Award 2017-18 from ISCA in its 105th ISC held at Manipur University, Imphal during March 16-20, 2018 for his outstanding contribution in the field of science and technology in country.
12.	**Recipient of 'FPSI' Title in the Year of 2021**	The Physiological Society of India (PSI) confers the designation of Founder Fellow of the PSI on 11th December 2021 as a testimony of contribution to PSI.
13.	**Recipient of KFC Ratna Award 2022**	Received KFC Ratna Award 2022 conferred by KFC Trust (Regn. No. Q5096618/18), Howrah for outstanding contribution in the field of higher education.
14.	**Elected as Sectional President, Section of Medical Sciences (including Physiology), 108th Indian Science Congress (2020-21,21-22 & 22-23)**	Delivered Presidential Address in the Section on 04.01.2023 in 108th ISC and Chaired all the Sectional Symposiums and Scientific sessions.
15.	**Elected as General President, Indian Science Congress Association for the year 2024-25 and 2025-26**	Chairing the Executive Committee meeting. Council meeting and all the Statutory Committee's meeting

Goutam Paul

V PROFESSIONAL EXPERIENCE IN UNIVERSITY SYSTEM

A. Academic Experience in University System : 36+ Years

B. Academic Experience in Details:

1. **In Government-aided College:** Served Netaji Nagar Day College as Part time Lecturer from 1988 to 1991 (3^+ years)
2. **In Government Colleges (West Bengal Education Service):** Served as Permanent Faculty in Government Colleges for 14 Years and 5 months (Both UG and PG teaching) (06.07.1992-15.11.2006)

   a. As Lecturer, Assistant Professor and Reader at the Post Graduate Department of Physiology, Hooghly Mohsin College, Burdwan University: 06.07.1992-25.11.2005.

   b. As Associate Professor at the Department of Physiology, Jhargram Raj College, Vidyasagar University: 26.11.2005-15.11.2006.

3. **In Kalyani University** **: 19+ Years** (from 16.11.2006-continuting)
   (Teaching of PG & Doctoral Courses)
   - **a. As Associate Professor** : 5 Years 6 months (16.11.2006-10.04.2012)
   - **b. As Professor** (Recruited Directly) :13+ Years (Since 11.04.2012)
   - **c. As Pro-Vice-Chancellor** : 4 Years (Since 19.06.2019)

C. Academic Experience in Details : 36 Years

D. Research guidance : 28 Years (1999-2026)

VI PROFESSIONAL HIERARCHY

Name of the Post	Institution / College/University	Permanent/ Temporary	Date of Joining/ Promotion	Date of Promotion / Leaving	Courses Taught
Lecturer in Physiology	PG Department of Physiology Hooghly Mohsin College Govt. of West Bengal	Permanent	6.7.1992	5.7.1997	B.Sc (Hons & General) in Physiology
Asst. Professor in Physiology	PG Department of Physiology Hooghly Mohsin College Govt. of West Bengal	Permanent	6.7.1997	5.7.2001	B.Sc (Hons & General),M.Sc in Physiology, Research Guidance
Reader in Physiology	PG Department of Physiology Hooghly Mohsin College Govt. of West Bengal	Permanent	6.7.2001	25.11.2005	B.Sc (Hons & General),M.Sc in Physiology, Research Guidance
Reader in Physiology & Associate Professor	Department of Physiology Jhargram Raj College Govt. of West Bengal	Permanent	26.11.2005	15.11.2006 (Associate Professor w.e.f.1.01.06)	B.Sc (Hons & General)

Goutam Paul

in Physiology					
Associate Professor in Physiology	Department of Physiology University of Kalyani	Permanent	16.11.2006	10.04.2012	M.Sc in Physiology, Ph.D. courses in Physiology, Research Guidance (PhD & M.Phil)
Professor in Physiology (recruited directly)	Department of Physiology University of Kalyani	Permanent	11.04.2012	Continuing	M.Sc in Physiology, Ph.D. courses in Physiology, Research Guidance (PhD & M.Phil)
Dean, Faculty of Science	University of Kalyani	Appointed for 3 year term as per Kalyani University Act 1981 (Amended in 2012)	20.08.2013	19.08.2016	Academic Head of the Science Faculty
Pro-Vice-Chancellor	University of Kalyani	Appointed for 4 year term as per KU Act	19.06.2019	18.06.2023	

VII EXPERIENCE IN ADMINISTRATIVE GOVERNANCE

A. Experience in Administrative Governance (At a Glance): 13+ years

a) As Head in Government College : 4 years
b) As Head in Kalyani University : 6 years
c) As Dean of Science, Kalyani University : 3 years
d) As Pro-Vice-Chancellor, Kalyani University : 4 years

B. Experience in Administrative Governance in Details:

a) As Pro-Vice-Chancellor, Kalyani University : 4 years (4Year term)

b) As Dean, Faculty of Science, Kalyani University : 3 years (2013-2016)

c) As Officiating Vice-Chancellor :2013 (21 and 22 Oct); 2014 (4 days); 2015 (2 days); 2016 (4-6 April)

d) Total Experience as Head of the Department : 10 years

(i) Served as Head, Department of Physiology, University of Kalyani for three terms (6 years)
(a) From 16.11.2006 to 15.11.2008
(b) From 16.11.2010 to 15.11.2012
(c) From 16.11.2014-15.11.2016

(ii) Served as Head of the Department in West Bengal Education Service (WBES) : 4 years
(a) At Hooghly Mohsin College, Govt. of West Bengal : 3 years

Goutam Paul

From 2002-2005 (Nov. 25, 2005)

(b) At Jhargram Raj College, Govt. of West Bengal : 1 year
From 26.11.2005 to 15.11.2006

VIII ADMINISTRATIVE EXPERIENCE AS A MEMBER OF THE STATUTORY BODIES OF THE KALYANI UNIVERSITY (COURT AND EXECUTIVE COUNCIL): 11 YEARS

(a) As member of the Court of KU: 4 year (2011-2012) and as Dean (2014-2016) and 4 years as Pro-Vice-Chancellor (2019- 2023).
(b) As member of the Executive Council (EC) (As nominee of Chairman, WBSCHE): 1 year (From June 2012- 20.08.2013).
(c) As member of the EC as Dean of Science : 3 years (20th August 2013- 19th August 2016)
(d) As Member of the EC (As nominee of Chairman, WBSCHE) since 23rd Nov., 2016.
(e) As Member of the EC as Pro-Vice-Chancellor: 4 years (2019- 2023).

IX ADMINISTRATIVE EXPERIENCE AS A MEMBER OF THE STATUTORY BODIES OF THE OTHER UNIVERSITIES

a) **Administrative Experience** as member of the **Senate of Calcutta University** (as Nominee of the Chairman, West Bengal State Council of Higher Education): 2 years (2015-2017).

b) **Administrative Experience** as Member of Executive Council(EC)of Netaji Subhash Open University (NSOU) as **Chancellor's Nominee**: 5+ years (Since 2017)

X OTHER ADMINISTRATIVE EXPERIENCES

a) **Served the University as Director, NAAC** Committee of the University for NAAC Visit in 2016 (University got Grade 'A' with CGPA 3.12) and Chairman of the Infrastructural Sub-committee for NAAC Visit.

b) **Served the University as Chairman of the** Committee constituted by the Vice-Chancellor to allot grant to teachers under UGC unassigned grant head.

c) **Served the University as Director**, College Development Council, Kalyani University (From 2015-2016).

XI EXPERIENCE IN ACADEMIC GOVERNANCE : 34+ years

A. In Kalyani University

(a) As Dean and Vice-Chairman of Faculty Council for PG Studies in Science: 2013-2016.
(b) As Director, College Development Council, Kalyani University (From 2015-2016).
(c) As Chairman of Post-graduate Board of Studies: 6 years (16.11.2006 to 15.11.2008; 16.11.2010 to 15.11.2012; and 16.11.2014-Nov. 2016).
(d) As Chairman of Under-graduate Board of Studies: 10 years (2006-2008; 2010-2012; and 2014-continuing).
(e) As member of the Faculty Council for Post Graduate Studies in Science: 12 years.
I. From 16.11.2006-16.11.2008 (As Head of the Department)
II. From 16.11.2010-15.11.2012 (As Head of the Department)
III. From 12.04.2012- 15.11.2014 (As Professor)

Goutam Paul

IV. From 16.11.2014-to Nov. 2016 (As Professor and Head of the Department)

V. From 16.11.2016-continuing (As Professor)

(f) As Member & Chairman of Board of Research Studies (BRS) and DRC (Departmental Research Committee) : 15+ years

(i) As Member of BRS : 3 years.

(ii) As Chairman of DRC : 7 years.

(iii) As Chairman of DRC (adhering UGC regulations 2016): 5 years since August 2016-2021.

B. In Burdwan University

(a) As Member of Board of Research Studies in Physiology: 8 years (From 1997-2005)

(b) As Member of Post-graduate Board of Studies: 8 years (From 1997-2005)

(c) As Chairman of Post-graduate Board of Studies in Physiology: 3 years (2002-2005)

(d) As Member of UG Board of Studies: 14 years (1992-2005)

(e) As Chairman of UG Board of Studies: 3 years (2002-2005)

C. In West Bengal State University (Barasat)

(a) As Chairman of the Board of UG Studies in Physiology from 2012 onwards (4 years).

D. In North Bengal University

(a) As Chairman of Undergraduate Board of Studies in Physiology (from 17th Jan, 2017 - 2019) (3 years)

XII ACADEMIC SPECIALIZATION

Molecular, Cellular and Systemic Neurophysiology; Electrophysiology; Molecular Neurotoxicology; Environmental Physiology including toxicology and microbiology; and Climate Change Science.

XIII AREAS OF TEACHING

All branches of the system Physiology at the M.Sc. and Ph.D. level specially--

1. Neurophysiology including special senses
2. Cardiovascular Physiology
3. Respiratory Physiology
4. Neuromuscular Physiology
5. Gastrointestinal Physiology
6. Molecular Neurophysiology
7. Environmental Physiology including Toxicology
8. Embryology
9. Physiological Statistics
10. Renal Physiology

XIV AREAS OF RESEARCH

Molecular Neurotoxicology; Gastrointestinal Toxicology; Reproductive Toxicology; and Cardiovascular Toxicology; Environmental Microbiology; Ecology.

Goutam Paul

XV CONTRIBUTION TO THE PROMOTION OF PHYSIOLOGY

a) Developed the Department of Physiology, Kalyani University as a First Teacher and Head of the Department and developing the Department since 2006.
b) Established the Molecular Neurotoxicology Laboratory in 2006.
c) Established and developed the PG Department of Physiology, Hooghly Mohsin College (ESTD. 1836), Govt. of West Bengal from 1992-2005.
d) Played a key role in the expansion of the subject in different affiliated UG colleges of Kalyani University.
e) Serving the Physiological Society of India (PSI) (2012-2022) as EC Member and Vice President.
f) Presently serving as the Vice President of the South Asian Association of Physiologists (SAAP).
g) Published 129 research articles in national and international refereed journals and registered 14 GenBank submissions at NCBI.
h) More than 34 years (including Govt.-aided College) of teaching and research experience at the level of UG, PG, M.Phil. and Ph.D. programmes in Physiology.
i) Acting as Principal Investigator of many major research projects funded by DST, UGC etc.
j) Published 11 text books in the Physiology and Allied subjects (list attached).
k) Acting as Editor-in-Chief, Journal of Environmental Physiology.
l) At present, holding the post of General Secretary, Society for Environmental Physiology of India (SEPI).
m) Acting as Reviewer of many Journals of national and international reputes and Executive Committee Member of the Physiological Society of India (PSI) (since 2015).
n) Visited several countries with the assistance of State/UGC/INSA/DST-Govt. fundings including Russia, Japan, UK, Singapore, and Bangladesh for presenting research work.
o) Guided 21 PhD students including one Fulbright- Nehru Fellow, two M.Phil. students and more than 100 M.Sc. students.
p) Published more than 38 articles in popular Bengali and English newspapers.
q) Organized the Two Day National Conference on Sustainable Health Science for Future Generations as Chair of the Organizing and Programme Committee held on 28th-29th April, 2022.
r) Delivered numerous Plenary and Keynote lectures in National/International Conferences on Physiological Sciences.
s) Served as Expert in Physiology in West Bengal Public Service Commission and West Bengal College Service Commission.
t) Served the Selection Committees as Chairperson/Chancellor's nominee in Physiology and other Branches of Science in different Universities.
u) Delivered talks as Resource Person in Physiology/Environmental Studies in Academic Staff Colleges (UGC HRDC) in Kalyani University, Calcutta University and Jadavpur University.
v) Framed new CBCS based UG syllabus in Physiology in the state of West Bengal as Chairperson and as Member of the Syllabus Committee of the West Bengal State Council of Higher Education.
w) Framed new CBCS based UG syllabus in Physiology in the North Bengal University and West Bengal State University, Barasat and Kalyani University as Chairperson of the UG Board of Studies in Physiology.

Goutam Paul

x) Acted as Editor-in-Chief for publishing the Proceedings of the National Conference on Sustainable Health Science for Future Generations.

XVI PROFESSIONAL ACCOMPLISHMENTS

1. International/National Conferences Attended as Delegate/Acted as Chief Guest/Delivered Keynote or Plenary Speech:

a) Presiding the Sectional Congress as Sectional President in the Section of Medical Sciences (including Physiology) in the 108th Indian Science Congress at RTM Nagpur University held during 3-7th January, 2023.
b) Chair of the Organizing and Programme Committee - Two-Day National Conference on Sustainable Health Science for Future Generations. Organized by the Department of Physiology in collaboration with the Indian Science Congress Association Kolkata Chapter held during 28-29th April 2022.
c) Chief Guest and Keynote Speaker -Department of Science and Technology (Govt. of West Bengal) sponsored National Conference on Women Health in India: Issues and Concerns & XXXIInd Annual Conference of the Physiological Society of India. Organized by the Department of Physiology, Berhampore Girls' College, held during 14-16th March 2022.
d) Chief Guest-One Day Seminar on Women's Day Celebration, 2022 organized by Kalyani Mahavidyalaya in collaboration with The Indian Science Congress Association Kolkata Chapter on 8th March, 2022.
e) Popular Scientific Lecture on National Science Day, Indian Science Congress Association, Kolkata Chapter held on 28th February, 2022.
f) 107th Indian Science Congress held at Bangalore Agricultural University, Bangalore, Karnataka from January 3 - 7, 2020 as Invited Delegate.
g) 106th Indian Science Congress held at Lovely Professional University, Punjab from January 3 - 7, 2019 as a Special Invited Speaker and Chaired a Session on 7.01.2019.
h) "PHYSICON" XXX Annual Conference of the Physiological Society of India held at Serampore College during 22-24 Nov., 2018 as an invitee for Plenary Talk.
i) 105th ISC held at Manipur University, Imphal during March 16-20, 2018 as an Awardee and received Raj Kristo Dutt Memorial Award 2017-18 from ISCA for his outstanding contribution in the field of science and technology in country and delivered a public lecture at the auditorium after inauguration.
j) 25th West Bengal State Science and Technology Congress held on 4-5th March, 2018 at Science City Auditorium, Kolkata, India as Invited Speaker and to Chair a Session.
k) VII Congress of Fedgeration of Indian Physiological Societies (FIPS) & XXIX Annual Conference of Physiological Society of India (PSI) (FIPSPHYSIOCON 2017) held on 5 – 7th November, 2017 at Defense Institute of Physiology & Allied Sciences, Timarpur, Delhi, India as Invited Speaker.
l) XXXV Annual Meet of Indian Academy of Neurosciences (IAN 2017) and International Conference on 'Translational Neurosciences and its Application in Protection of Mental Health' held on 29-31st October, 2017 at Department of Zoology, School of Life Sciences, Ravenshaw University, Cuttack, Odisha, India as Invited Speaker and to Chair a Session.
m) Physiology National Conference-ASSOPICON 2016 schedule to be held on 15-17 Sep., 2016 at BLDE University, Vijayapur, Karnataka as Invited Speaker.
n) 22nd West Bengal State Science and Technology Congress 2015 held at North Bengal University on Feb 28-March 01, 2015 as Keynote Speaker.

Goutam Paul

o) 102nd Indian Science Congress, held at University of Mumbai on 3-7 January, 2015 as Invited Speaker.
p) 1st Annual International Conference on Advanced Research: Physiology (ARP 2014), held on 21-22nd July, 2014 at Singapore as Invited Speaker and to Chair a Session.
q) International Ergonomics Conference HWWE 2014 held at Guwahati IIT, 2-5 Dec, 2014 as Invited Speaker.
r) 37th International Union of Physiological Sciences (IUPS) Congress, held at ICC, Birmingham, UK, July 21-26, 2013 as paper presenter.
s) XXIV Annual National Conference of Physiological Society of India (PSI). Physicon 2012 held at Andhra Medical College, Visakhapatnam, A.P. December 12-14, 2012 as Invited Speaker.
t) 1st International Seminar 2010 on Climate Change and Environmental Challenges of 21st Century held at Institute of Environmental Science, University of Rajshahi, Bangladesh, December 07-09, 2010 as paper presenter.
u) 36th International Union of Physiological Sciences (IUPS) Congress, held at Kyoto, Japan, July 27-August 01, 2009 to present a research paper.
v) Symposium on Advanced Biological Inorganic Chemistry (SaBIC-2009), held at TIFR, Mumbai, Nov. 2-7, 2009 to present a paper.
w) International Conference on Integrative Physiology: Modern Perspective, PSI, held at Kolkata, Nov. 12-14, 2009 to present a research paper.
x) XXXIII IUPS Congress, held at St. Petersburg, Russia, June 30 to July 5, 1997 to present a paper.
y) Second Congress of Asian and Oceanian Physiological Societies (AOPS), held at AIIMS, New Delhi, November 12 to 15, 1990 to present a research paper.

2. Life Membership of Scientific Associations/Societies :

a) Founder General Secretary, Society for Environmental Physiology of India (SEPI).
b) Life Member of Indian Science Congress Association (ISCA).
c) Life Member of Physiological Society of India (PSI).
d) Life Member of Indian Association of Biomedical Scientists (IABMS).
e) Founder Member of West Bengal College and University Professors' Association (WBCUPA).

3. Professional Assignments :

a) Vice-Chairman of the Faculty Council for PG studies in Science of Kalyani University (for 3 years: 2013-2016).
b) Chairman of Under-Graduate (UGBS) and Post-Graduate Board of Studies (PGBS) in Physiology, University of Kalyani, West Bengal, India since 2006.
c) Former Chairman, UGBS and PGBS in Physiology, Burdwan University, West Bengal.
d) Former Chairman, UGBS in Physiology, West Bengal State University (Barasat).
e) Chairman, Departmental Research Committee, University of Kalyani, West Bengal.
f) Chairman, UGBOS in Physiology of North Bengal University.
g) Course Coordinator, PG Diploma in Environmental Management, DODL, University of Kalyani, West Bengal.
h) Member, Faculty Council for Post Graduate Studies in Science, University of Kalyani, West Bengal (for 15 years).
i) Member of the Court, the Executive Council, the Finance Committee, the Undergraduate Council and the Postgraduate Council as Pro-Vice-Chancellor of the Kalyani University from 19.06.2019-continuing.

4. Visiting Faculty (served) : **a.** Tripura University (Central University)

Goutam Paul

		b. Presidency University (Erstwhile Presidency College)
5. Examinership (at M.Sc level) :		**a.** University of Kalyani, **b.** Burdwan University **c.** Calcutta University, **d.** Tripura University **e.** Vidyasagar University. **f.** North Bengal University **g.** West Bengal State University, Barasat.
6. PhD Thesis Examiner	:	Different Universities in India and Abroad
7. Editorship of Journal	**:**	Editor-in-Chief **Journal of Environmental Physiology [ISSN 0974-7036]** Published by the Department of Physiology, University of Kalyani, West Bengal, India
8. Reviewer of the Journal	**:**	Environmental Toxicology and Pharmacology (ETAP), Fundamental and Clinical Pharmacology, International Journal of Pharma and Bio Sciences, International Journal of Food Properties, Food and Chemical Toxicology etc.

XVII RESEARCH AND RESEARCH GUIDANCE

A. Research Guidance

a) Ph.D. thesis guided : 31 (thirty one)

1) **Name: Smt. Mausumi Sikdar (Bhakta)**
Title of Thesis: "Study of anti-biotic resistance plasmids in relation to *Staphylococcus aureus."* (University of Burdwan- Hooghly Mohsin College, 2005).
2) **Name: Shri Arpan Kumar Maiti**
Title of Thesis: "A study on the toxicity of some metals present in fly ash on piscine and mammalian models." (University of Kalyani, 2010).
3) **Name: Shri Narayan Chandra Choudhuri**
Title of Thesis: "Impact of Training Programmes on Poultry Farming and Evaluation of Various Pure and Cross Breeds of Nicobari Fowl under Island Ecosystem". (University of Kalyani, 2012).
4) **Name: Smt. Mouri Ghosh**
Title of Thesis: "Effect of Inorganic Arsenic Compounds on the Activity of Intestinal Smooth Muscles in Mammals: A Molecular Physiological Study". (University of Kalyani, 2013).
5) **Name: Shri Atanu Saha**
Title of Thesis: "Ergonomic Studies on Police Personnel Working in Rotating Shift in West Bengal, India". (University of Kalyani, 2013).
6) **Name: Smt. Panchali Tarafder**
Title of Thesis: "Effect of Bisphenol A (BPA) on some haematological and cardiovascular variables in animal models: A physiological study." (University of Kalyani, 2014).
7) **Name: Shri Kaushik Sarkar**
Title of Thesis: "Effect of Bisphenol A (BPA) on the function of intestinal smooth muscle in mammalian model: A molecular physiological study." (University of Kalyani, 2014).
8) **Name: Shri Diptendu Sarkar**

Goutam Paul

Title of Thesis: "Studies on isolation and molecular characterization of heavy metal accumulating bacteria." (University of Kalyani, 2015).

9) **Name: Shri Amit Ghati**
Title of Thesis: "A study on esterase producing extremophiles and molecular characterization of the esterases(s)". (University of Kalyani, 2015).

10) **Name: Smt. Kumkum Basu**
Title of Thesis: "Evaluation of workload and work environment of female construction labourers working in unorganized sectors." (University of Kalyani, 2016).

11) **Name: Shri Laishram Brojendra Singh**
Title of Thesis: "Evaluation of the efficacy of some practices conventionally used for the production of local cultivars of china banana – AAB (*Musa paradisiaca*) in Andamans: An environmental physiological study." (University of Kalyani, 2017).

12) **Name: Shri Partha Pratim Nath**
Title of Thesis: "Detection of the presence of Metanil Yellow in foodstuffs and physiologic study on the effects of metanil yellow on female reproductive functions in rat." (University of Kalyani, 2017).

13) **Name: Smt. Dipanwita Dasgupta**
Title of Thesis: "Isolation, characterization and application of the plant growth characterization and application of the plant growth promoting rhizobacteria (PGPR) inhabiting the rhizosphere of *Sesbania bispinosa* (Dhaincha)." (University of Kalyani, 2017).

14) **Name: Smt. Mukti Mondal**
Title of Thesis: "Effect of monosodium glutamate on the functions of female reproductive system in rat: A molecular physiological study." (University of Kalyani, 2018).

15) **Name: Smt. Srabantika Mallick**
Title of Thesis: "Antiangiogenic therapy for treatment of cancer: Effect of 2 methoxyestradiol in combination with cyclophosphamide on experimental tumour growth in mouse." (University of Kalyani, 2018).

16) **Name: Smt. Aindrila Das**
Title of Thesis: "Studies on the influence of caloric restriction during aging in relation to physical activity and cognitive response." (University of Kalyani, 2019).

17) **Name: Shri Suban Baskey**
Title of Thesis: "Effects of chlorpyrifos on some hematological and biochemical variables in rat: A physiological study." (University of Kalyani, 2019).

18) **Name: Ashma Khatun**
Title of Thesis: "Effects of chocolate brown HT on some male and female reproductive variables in rat: A molecular physiological study." (University of Kalyani, 2020).

19) **Name: Smt. Sanghamitra Pal**
Title of Thesis: "Effects of Bisphenol S (BPS) on some haematological and cardiovascular variables in animal models: A molecular physiological study." (University of Kalyani, 2020).

20) **Name: Shri Kamalesh Das**
Title of Thesis: "A study on the toxicity of chlorpyrifos on male and female reproductive functions in animal models: An environmental –physiological approach". (University of Kalyani, 2021).

21) **Name: Suraiya Parvin**
Title of Thesis: "Effect of Monosodium Glutamate (MSG) on the Functions of Small Intestinal Visceral Smooth Muscles in Rat". (University of Kalyani, 2022).

22) **Name: Sourapriya Mukherjee**

Goutam Paul

Title of Thesis: "Detection of the Presence of Rhodamine B in Foods and Examination of Pharmacodynamics in Rhodamine B Induced Effects on the Contractile Activity of Small Intestinal Visceral Smooth Muscle in Rat". (University of Kalyani, 2024).

23) **Name: Susnata Ray**
Title of Thesis: "Assessment of Environmental and Medico-Geological Problems Associated with High Fluoride in Different Hydrogeological Domains of West Bengal: Source, Cause And Mitigation Options". (University of Kalyani, 2024).

24) **Name: Mahua Guha Roy**
Title of Thesis: "Effect of Fluoride on the Function of Small Intestinal Visceral Smooth Muscle: A Molecular Toxicological Study". (University of Kalyani, 2024).

25) **Name: Debarati Roy**
Title of Thesis: "Understanding of Neurochemical Mechanisms Involved in Bisphenol S (BPS) Induced Intrinsic Regulation of the Contractile Activity of Visceral Smooth Muscle of Small Intestine in Male Albino Rat: A Molecular Neurotoxicological Study". (University of Kalyani, 2024).

26) **Name: Anamika Biswas**
Title of Thesis: "Effect of Metanil Yellow on the Function of Heart Ventricular Muscle: A Neurotoxicological Study". (University of Kalyani, 2025).

27) **Name: Chaitali Dey**
Title of Thesis: "Understanding of Efferent Neurocrine Mechanisms Involved in Sodium Benzoate Induced Alteration in the Motor Activity of Intestinal Visceral Smooth Muscle". (University of Kalyani, 2025).

28) **Name: Raina Ghosh**
Title of Thesis: "Elucidation of the Roles of Intrinsic Enteric Neurons (Efferent) in Methyl Paraben Induced Contraction of Intestinal Visceral Smooth Muscle in Albino Rat: A Toxicological Study". (University of Kalyani, 2025).

29) **Name: Srilekha Bhattacharjee**
Title of Thesis: "Effect of Tartrazine on the Female Reproductive Function in Albino Rat: A Toxicological Study". (University of Kalyani, 2025).

30) **Name: Sreejit Ghosh**
Title of Thesis: "Role of Caloric Restriction During Ageing-Induced Changes in Cognitive Function with Special Reference to Brain Regional Glutamatergic Profile". (University of Kalyani, 2026).

31) **Name: Dipankar Majumder**
Title of Thesis: "Effect of Bisphenol S on the Normal Gut Microbiota of Human with Emphasis to Escherichia coli and Lactobacillus sp.: An in vitro and in vivo Study in the Rat Model". (University of Kalyani, 2026).

b) Guiding registered Ph.D. students : 03 (three)

1) Roshni Singh (DST-INSPIRE Fellow)
2) Smritiara Parveen (UGC-JRF (NET))
3) Soma Majumdar

c) M.Phil. dissertations guided : 02 (two)

Name: Salma Rehman

Goutam Paul

Title of Dissertation: "Detection of the presence of metanil yellow in foodstuffs and physiologic study on the effects of metanil yellow on intestinal, hepatic and renal functions in rat" (University of Kalyani), 2009.

Name: Ms. Suhita Mistry

Title of Dissertation: "A case study on haematobiochemical profile of Arsenic affected people of Haringhata Block of Nadia district in West Bengal."

d) Guided Post Doctoral Research fellow : 05 (five)

1. Dr. Kuntal Ghosh
2. Dr. Mousumi Dutta
3. Dr. Mukti Mondal
4. Dr. Kaushik Sarkar
5. Dr Partha Pratim Nath
6. Dr. Sanghamitra Pal

e) Guided review work of M.Sc. students : Supervision of Review Work of M.Sc. students

Total No: 77

a) At Kalyani University : 47

b) Hooghly Mohsin College (Burdwan University) : 30

Review work			Year
2021			
Akashleena Ghosh	96/PHY/200005	Physiology of cardiac muscle	2021
Ankita Roychoudhury	96/PHY/200006	Review work on physiology of vision	2021
Aparna Biswas	96/PHY/200007	Review work on neural and chemical regulation of respiration	2021
Brototi Bag	96/PHY/200008	Physiology of language function	2021
Fahima Zeenat	96/PHY/200009	Review work on Covid-19 and acute respiratory distress syndrome	2021
Jhilik Das	96/PHY/200011	Review work on physiology of coronary circulation	2021
Lisa Sarkar	96/PHY/200012	Review work on male reproductive system physiology	2021
Manisha Khatun	96/PHY/200013	Physiology of olfaction	2021
Masarul Haque	96/PHY/200014	Diabetes mellitus	2021
Moumita Barman	96/PHY/200015	Structure and function of muscle cells in human being	2021
Naharin Kabir	96/PHY/200016	Review project on vascular physiology	2021
Rahul Kumar Mitra	96/PHY/200017	Neuro-hormonal regulation of blood pressure	2021
Ruksana Mondal	96/PHY/200018	Review work on gastrointestinal hormones and their function	2021
Samapti Das	96/PHY/200019	Physiology of smooth muscle	2021
Shyam Sunder Ganai	96/PHY/200021	Review work on physiology of hearing	2021
Subhasree Dhar	96/PHY/200022	Physiology of skeletal muscle	2021
Sudipta Ghosh	96/PHY/200023	Review work on differential count of blood corpuscles	2021
Sujata Sarkar	96/PHY/200024	Review work on physiology of sleep	2021

Goutam Paul

2019			
Binita Saha	96/PHY /170001	Lipid Homeostasis	2019
Damayanti Datta	96/PHY /170002	Adrenal Gland And Its Functions	2019
Debolina Dutta	96/PHY /170003	Male Reproductive System And Its Role In Reproduction	2019
Devdatta Mukherjee	96/PHY /170004	Glucose Homeostasis	2019
Farhana Sultana	96/PHY /170005	Blood Coagulation	2019
Indrani Majumdar	96/PHY /170006	Protein : An Important Macromolecule In Human Body	2019
Jibitesh Das	96/PHY /170007	Neuromuscular Junction And Its Activity	2019
Jibun Nesha	96/PHY /170008	Immunity And Immune System	2019
Kabari Bhattacharyya	96/PHY /170009	Hypothalamus And Its Functions	2019
Kathakali Banerjee	96/PHY /170010	Bile And Its Function	2019
Mihir Kumar Ghosh	96/PHY /170011	Human Skin: Its Structure, Function And Aging	2019
Puspendu Ghosh	96/PHY /170012	Fundamental Basis Of Cancer	2019
Rupa Biswas	96/PHY /170013	The Discovery Of DNA	2019
Sananda Das	96/PHY /170014	Blood And Its Functions	2019
Sumana Karmakar	96/PHY /170015	Human Eye : Its Role In Vision	2019
Suraiya Khatun	96/PHY /170016	Thyroid Gland And Its Functions	2019
2018			
Anamika Biswas	96/PHY/160001	Physiology Of Myasthenia Gravis	2018
Arindam Dey	96/PHY/160002	Parkinson's Disease	2018
Bidisha Mondal	96/PHY/160003	Physiology of Ovulation	2018
Bijaya Biswas	96/PHY/160004	Smoking And Lung Disease	2018
Debraj Singha	96/PHY/160005	In Vivo Fertilisation	2018
Nabanita Saha	96/PHY/160007	Female Infertility	2018
Priyodarshini Bose	96/PHY/160008	Rheumatoid Arthritis	2018
Raina Ghosh	96/PHY/160009	ABO Blood Group And Related Disease	2018
Kaustav Ghosh	96/PHY/160010	Diabetes Mellitus	2018
Rakesh Sarkar	96/PHY/160011	Anaphylaxis	2018
Samima Sultana	96/PHY/160012	Contraception And Advantage And Disadvantage Of Contraceptive Pill	2018
Smritiara Parveen	96/PHY/160013	Migrating Motor Complex And Digestive System	2018
Sonam Mandal	96/PHY/160014	HIV & AIDS	2018
Sourapriya Mukherjee	96/PHY/160015	Ketosis, Ketogenic Diet And Food Intake Control: A Complex Relationship	2018
Sukrita Sikdar	96/PHY/160016	Birth Defects	2018
2016			
Debjit Bhattacharyya	96/PHY/150007	A Review on the Bacterial Genetics	2016
Amit Mondal	96/PHY/150001	Application of Computer in Physiology	2016
Arpita Pal	96/PHY/150004	Second Messengers and Signal Transduction	2016
Ankita Sarkar	96/PHY/150002	Antibody	2016
Jayashree Ghosh	96/PHY/150009	Telomere, Telomerase and Ageing	2016
Sanchita Ghosh	96/PHY/150013	Endocrinology of Stress Response	2016
Jannatul Firdous	96/PHY/150008	Blood Coagulation	2016
Benojir Rahaman	96/PHY/150005	Endocrinology of Pregnancy	2016
Chaitali Dey	96/PHY/150006	Dietary Fibers	2016
Sasangbaha Mandi	96/PHY/150015	Hypersensitivity Diseases	2016
Monalisa Kar	96/PHY/150015	Human Embryogenesis	2016
Pritha Chakraborty	96/PHY/150012	Gallstone Disease	2016

Goutam Paul

Archita Bala	96/PHY/150003	Digestion and Absorption of Proteins in Gastrointestinal Tract	2016
Moumita Dey	96/PHY/150011	Structural Birth Defect	2016
Srilekha Bhattacharjee	96/PHY/150016	Health Aspects of Minerals	2016
Sandipa Haldar	96/PHY/150014	Higher Cortical Function- Language and its Disorders	2016
2014			
Gunanjan Saha	96/PHY/135017	Gene therapy	2014
Shibsankar Roy	96/PHY/135020	Micro scale quantitative microscopic technique of cell dynamics	2014
Sumit Mandal	96/PHY/125025	Effect of air pollution on human health.	2014
2013			
Prapti Das	96/PHY/125013	Global warming and human health.	2013
2011			
Nirupam ghosh	KU/DODL/EVM/ 180004/09	A case study on ichamati river and its ecosystem.	2011
2009			
Salma Rehman	MPhil student	Food Adulteration: A short review.	2009
Biswajit Saha	96/PHY/085020	Down syndrome: A mental disability.	2009
Krishna dey	KU/DODL/ENVM /003/08	Climate change: impacts and management.	2009
Pronomita Kar	96/PHY/085016	Ozone depletion: causes and its impact on human health.	2009
2007			
Mainak sarkar	KU/EVM/021/07	A case study on noise pollution in ranaghat town of nadia district.	2007
Sumedha Roy	KU/EVM/014/07	The ecological park of the Kalyani university: A case study for pollution management.	2007
Dolon Bhattacharyya	KU/EVM/013/07	Jatropha park of the university of Kalyani: a case study for the pollution and resource management.	2007

f. Guided project work of M.Sc. students: **Supervision of thesis of M.Sc. students (based on Project Work in Special Paper)**

Total No: 99

a. At Kalyani University: 79

b. Hooghly Mohsin College (Burdwan University): 20

Name	Roll no	Title	Year
2019			
Binita Saha	96/PHY/170001	A Study on the Effect of Malachite Green on the Functions of Liver and Intestine in Male Albino Rat	2019
Farhana Sultana	96/PHY/170005	A Study on the Effect of Saccharin on Liver and Intestinal Functions of the Male Albino Rat	2019
Jibitesh Das	96/PHY/170007	A Study on the Effect of Rhodamine B on the Liver and Intestinal Functions in Male Albino Rat	2019
Kabari Bhattacharya	96/PHY/170009	A Study on the Effects of Potassium Bromate on the Liver and Intestinal Functions in Male Albino Rat	2019
Mihir Kumar Ghosh	96/PHY/170011	Evaluation of the Protective effect of Yoghurt on Normal Intestinal Flora	2019
Puspendu Ghosh	96/PHY/170012	Study on the Effect of Metanil Yellow on the Function of Heart and Intestine	2019

Goutam Paul

Sumana Karmakar	96/PHY/170015	Influences of Blood Glucose Level on Mental Ability of Boys in the Fifth (Class-V) Grade	2019
Suraiya Khatun	96/PHY/170016	The Effectiveness of Indigenous Spices and Herbs in the Preservation of Fish at Room Temperature	2019
2018			
Anamika Biswas	96/PHY/160001	Effect Of Cadmium On Intestinal Motility Of Rats Ex-Vivo	2018
Bidisha Mondal	96/PHY/160003	Green Synthesis Of Silver Nanoparticles From Ginger (*Zingiber officinale*) Extract And Evolution Its Anti Microbial Activity	2018
Nabanita Saha	96/PHY/160007	Green Synthesis OF Silver Nanoparticles From Neem Leaf (*Azadirachata indica*) Extract And Evaluation Of Its Anti Microbial Activity	2018
Raina Ghosh	96/PHY/160009	Plant (Turmeric) Mediated Silver Nanoparticles Synthesis And Its Antimicrobial Application	2018
Samima Sultana	96/PHY/160012	Green Synthesis Of Silver Nanoparticles From Garlic Extract And Evolution Its Anti Microbial Activity	2018
Smritiara Parveen	96/PHY/160013	Biosynthesis Of Silver Nanoparticle By Using Onion Extract And Study Its Anti-Bacterial Activity	2018
Sourapriya Mukherjee	96/PHY/160015	Effect Of Sodium Benzoate On Liver And Intestine Of Rat	2018
2017			
Archita Bala	96/PHY/150003	Study on the effect of sodium benzoate on liver and intestinal functions of rat.	2017
Srilekha Bhattacharjee	96/PHY/150016	Evaluation of protective function of vitamin C in formaldehyde induced toxicity in intestinal and liver function of rat.	2017
Sandipa Halder	96/PHY/150014	Comparative study of microbial load in different raw and pasteurized milk available in and around Kolkata Metropolis.	2017
Sanchita Ghosh	96/PHY/150013	A study on detection of Metanil Yellow in some food substances and its effects on the function of intestine and liver of rat.	2017
Chaitali Dey	96/PHY/150006	Study on the effect of cyprmethrin on liver and intestinal functions in rat.	2017
Moumita Dey	96/PHY/150011	Microbial load in soft drinks and fruit juices marketed in and around Kolkata Metropolis.	2017
Arpita Pal	96/PHY/150004	A study on the effect of Malachite green on the liver and intestinal functions of rat.	2017
2016			
Sovon Roy	96/PHY/145015	Sunchronic effect of lead nitrate on uterus.	2016
Satadal Roy	96/PHY/145011	Effect of lead nitrate on duodenal movement of rats.	2016
Mousumi Roy	96/PHY/145005	Effect of cadmium chloride on uterine movement of female rat.	2016
Md Mustakim Sk	96/PHY/145009	Effect of cadmium on intestinal motility of rats ex vivo.	2016
Salma Khanam	96/PHY/145006	Effect of cadmium chloride on liver function in rats.	2016
Bhaswati Mandal	96/PHY/145014	Effect of lead nitrate on liver function in rats.	2016
2015			
Preety sarkar	96/PHY/135012	Effect of lead nitrate on the function of intestinal smooth muscle of rat	2015

Goutam Paul

Priyanka Das	96/PHY/135013	Effect of lead nitrate on histological and some biochemical variables of rat	2015
Bapi Prasad	96/PHY/135015	Protective action of honey on hepatotoxicity induced by ibuprofen in albino rat	2015
Subrata Dey	96/PHY/135021	Effect of metanil yellow on histological and some biochemical variables of rat	2015
Shibsankar Roy	96/PHY/135020	Interaction of static magnetic and electromagnetic fluid with toad's perfused heart	2015
2014			
Sriparna Majumder	96/PHY/125019	Effect of inorganic lead on some hematological variables of rat.	2014
Prapti Das	96/PHY/125013	Effect of lead nitrate on liver of rat.	2014
Sumonta Halder	96/PHY/125024	Effect of inorganic arsenic on some hematological and biochemical variables of rat	2014
Smriti Debnath	96/PHY/125018	Effect of arsenic on liver of female rat.	2014
Sumit Mondal	96/PHY/125025	Effect of inorganic lead nitrate on duodenum of rat-a dose response study.	2014
Tushar Mondal	96/PHY/125026	Effect of arsenic on female reproductive system of rat.	2014
Debarati De	96/PHY/125012	Effect of nicotine on the function of heart in amphibian model	2014
Tamashree Sarkar	96/PHY/125021	Effect of arsenic on the duodenum of rats: a structure function relationship	2014
2013			
Tanima goswami	96/PHY/115007	Evaluation of the effect of exposure to dust on pulmonary function among construction workers of India.	2013
Soma Biswas	96/PHY/115006	Ergonomic study on musculo-skeletal disorder among the female clay model makers of Krishnagar town.	2013
Tanusree Das	96/PHY/115008	Effect of metanil yellow on the reproductive system in female rats- A dose response study.	2013
Sanghamitra Pal	96/PHY/115004	Evaluation of protective action of garlic on metanil yellow induced toxiciy in rats- physiological study.	2013
Najnin Islam	96/PHY/115003	Effect of monosodium glutamate on the functions of female reproductive system of rat: a physiological study.	2013
2012			
Ashma Khatun	96/PHY/105013	Effect of tartrazine on some variables of female reproductive function in rat- a physiological study.	2012
Bijoy saha	96/PHY/105022	Experimental alcoholism in rat- effect of ultra diluted 'strychnos'.	2012
Moumita Samaddar	96/PHY/105014	A study on the effect of saccharin on the function of female reproductive system in rats.	2012
2011			
Arpita Ghosh	96/PHY/095019	Effect of inorganic cadmium of the functions of intestine, kidney, liver, heart and ovary in rat- a physiological study.	2011
Mukti Mondal	96/PHY/095020	A study on detection of metanil yellow in food substances and effect of metanil yellow on the function of intestine, liver, kidney, lungs and testis in rats.	2011
Anindita Dutta	96/PHY/095017	Effect of ultra diluted strychnos nux vomica on experimental alcoholic rat.	2011
Nazneen	96/PHY/095021	Microbial analysis of soft drinks and packaged fruit guice collected fron local sweet shop of Nadia and Murshidabad districts, West Bengal.	2011

Shabarni Das	96/PHY/095023	Optimization of different environmental parameter for the production of IAA (Indole Acetic acid) by the isolated Bacterial Strain DD4	2011
Payel Bhaduri	96/PHY/095022	A study of the potability of the water used by the local people of Kalyani, Nadia.	2011
		2010	
Partha Pratim Nath	96/PHY/085021	Effect of Chlorpyrifos on female reproductive function of rat: A dose response study.	2010
		2009	
Rabindranath Majumder	96/PHY/080022	Studies of physiological variables on female handloom weavers in santipur village of West Bengal.	2009
Piyanka Saha	96/PHY/080016	Effects of cupper on some physicochemical variables on rat- a physiological study.	2009
Sudip Kumar Roy	96/PHY/080024	Effect of carbosulfan on some biochemical and histological variables in rat model- a Physiological study.	2009
Soma Majumder	96/PHY/080019	Evaluation of the potability of drinking water in some areas in Kalyani, West Bengal.	2009
Sharmistha Saha	96/PHY/080018	Study of microbial status of soil in different zones.	2009
		2008	
Payel das	96/PHY/070016	Working condition and health status of tile setters in Kalyani city of West Bengal- an agronomic case study.	2008
Arup Ratan Biswas	96/PHY/070021	Effect of chlorpyrifos on some biochemical and histological variables of rat; physiological study.	2008
Soma Biswas	96/PHY/070018	An ergonomics study on female bidi workers engaged in per time bidi making in Bagula (Nadia) of West Bengal.	2008
Salma Rehman	96/PHY/070017	Studies on the working condition, work environment and physiologic variables of tile cutters in Kalyani city areas (Nadia) of west Bengal: a ergonomics case study.	2008
Supriya Karmakar	96/PHY/070020	An ergonomic case study on working environment and physiological variables of blacksmith working in kaligangj (Nadia, West Bengal).	2008
Sujata Mondal	96/PHY/070019	Studies on ergonomic variables of van rickshaw pullers in kalyani town of West Bengal.	2008
Swarnendu Roy	96/PHY/070022	A study on noise pollution in Nabadwip town of West Bengal and its impact on human health: a case study.	2008
Moumita Purakait	96/PHY/070015	Studies on ergonomic variables of cycle rickshaw pullers in Berhampore of West Bengal.	2008
		2007	
Sumon Roy	96/PHY/060019	State of air pollution in krishnagar city – a case study of human health hazard on civic residents specially on traffic police and coal making workers.	2007
Suprabhat Banerjee	96/PHY/060021	Assessment of water qualities of surface water in some areas of the district of Nadia.	2007
Piu Dutta	96/PHY/060014	Effect of arsenate on perfused heart of toad: an experimental study.	2007
Panchali Tarafder	96/PHY/060013	Effect of nicotine on perfused heart of toad: an experimental study.	2007
Sunanda Basu	96/PHY/060020	Effect of metanil yellow on the function of cardiovascular and intestinal system: an experimental study.	2007
Sidhartha Sankar Chakroborty	96/PHY/060018	Effect of lead (heavy metal) on the perfused heart of toad: an experimental study.	2007

Goutam Paul

Smita Dutta	96/PHY/060015	A study on noise pollution in krishnagar city.	2007
Kaushik Sarkar	96/PHY/060017	Acute effect of inorganic lead (lead nitrate) on the motility of isolated intestine in rat- an experimental study.	2007

B. Research Projects Completed as Mentor and Principal Investigator

a) Completed Research Projects:

1. "A study on esterase producing extremophiles and molecular characterization of the esterases(s)" (Government of West Bengal, 2008).
2. "Effect of Bisphenol A (BPA) on the Function of Intestinal Smooth Muscle in Mammalian Model: A Molecular Physiological Study" (UGC, Government of India, 2009).
3. "Effect of Inorganic Arsenic Compounds on the Activity of Intestinal Smooth Muscle in Mammal: A Molecular Physiological Study" (DST, Government of India, 2009).
4. **"**Detection of the presence of Metanil Yellow in foodstuffs and physiologic study on the effects of metanil yellow on female reproductive functions in rat" (DST, Government of India, 2012).
5. "Effect of monosodium glutamate on the functions of female reproductive system in rat: A molecular physiological study" (DST, Government of India, 2013).
6. "Effects of Chocolate Brown HT on some male and female reproductive variables in rat: A molecular physiological study" (DST, Government of India, 2014).
7. "Effects of Bisphenol S (BPS) on some haematological and cardiovascular variables in animal models: A Molecular Physiological study" (DST, Government of India, 2015).
8. "Unraveling the role of macrophage cholesterol exporter ATP Binding Cassette transporter A1 (ABCA1) in regulating inflammatory responses in Type 2 diabetes" (UGC, Government of India, 2018).
9. "Understanding of neurochemical mechanisms involved in Bisphenol S (BPS) induced intrinsic regulation of the contractile activity of visceral smooth muscle of small intestine in male albino rat: A molecular neurotoxicological study" (UGC, Government of India, 2018).
10. "Detection of the Presence of Rhodamine B in Foods and Examination of Pharmacodynamics in Rhodamine B induced effects on the Contractile Activity of Small Intestinal Visceral Smooth Muscle in Rat" (Government of West Bengal, 2018).
11. "Understanding of efferent neurocrine mechanisms involved in Sodium Benzoate induced alteration in the motor activity of intestinal visceral smooth muscle" (DST, Government of India, 2019).
12. "Effect of Metanil Yellow on the function of heart ventricular muscle: A neurotoxicological study" (DST, Government of India, 2019).
13. "Elucidation of the roles of intrinsic enteric neurons (efferent) in Methyl Paraben induced contraction of intestinal visceral smooth muscle in albino rat: A toxicological study" (Government of West Bengal, 2019).

Goutam Paul

14. "Effect of Tartrazine on the female reproductive function in albino rat: A toxicological study" (Government of West Bengal, 2019).

b) Ongoing Research Projects:

1. "Understanding of Motor Neurocrine Mechanisms in tert-Butylhydroquinone (TBHQ) Induced Myenteric Regulation of the Contractile Activity of Small Intestinal Visceral Smooth Muscle in Albino Rat: A Molecular Neurotoxicological Study" (DST, Government of India, 2022).
2. "Neurochemical mechanisms involved in Erythrosine B induced probable shift in the female reproductive functions due to intoxication in albino rat: A Neurotoxicological Study" (UGC, Government of India, 2022).

XVIII PUBLICATIONS : 184 (One hundred eighty four)

(a) Research Papers : 153
(b) Books : 12
(c) Monographs : 05
(d) GenBank Submission : 14

(a) Research Papers: 153

1. Kuntal Ghosh and **Goutam Paul. 2025**. Anti-Diabetic Properties of Honokiol are Facilitated by Improving High Glucose-Induced IL-10 Hyporesponsiveness and Enhancing ABCA1-Mediated Cholesterol Efflux Through AKT Pathway. Cell and Tissue Biology. DOI:10.1134/S1990519X25600565
2. Suraiya Parvin, Sourapriya Mukherjee, **Goutam Paul. 2025.** Monosodium Glutamate (MSG) Promotes the Contraction of Duodenal Visceral Smooth Muscle Ex Vivo in Rat. IJRIAS. DOI: 10.51244/IJRSI.2025.120800200.
3. Neha Mandal, Sandhi Paul, Raina Ghosh, Sourapriya Mukherjee, **Goutam Paul. 2025.** Coumarin-Induced Delay in Gastrointestinal Transit Through Facilitation of Nitrergic Neurotransmission in Male Albino Rats. International Journal of Science and Healthcare Research. DOI: https://doi.org/10.52403/ijshr.20250404
4. Ayesa Khatun, Sandhi Paul, Sourapriya Mukherjee, **Goutam Paul. 2025**. Auramine-O Potentiates the Duodenal Smooth Muscle Contraction Through Promotion of Cholinergic Signalling Pathway. International Journal of Research and Review. DOI: https://doi.org/10.52403/ijrr.20250905
5. Subhadip Singha, Sandhi Paul, Sourapriya Mukherjee, Kamalesh Das, **Goutam Paul. 2025**. Coumarin Inhibits the Contractile Activity of the Duodenal Visceral Smooth Muscle by NO Mediated– cGMP Signalling Pathway. International Journal of Research and Review. DOI: https://doi.org/10.52403/ijrr.20250906
6. Soumi Biswas, Sandhi Paul, Sourapriya Mukherjee, Kamalesh Das, **Goutam Paul. 2025**. Chocolate Brown HT Inhibits the Contractile Activity of the Small Intestinal Visceral Smooth Muscle in Male Albino Rats. International Journal of Science and Healthcare Research. DOI: https://doi.org/10.52403/ijshr.20250401
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Goutam Paul

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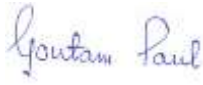

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