

## Dr. Suvadip Paul

### Residential address:

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### Address for correspondence:

Dr. Suvadip Paul  
Assistant Professor  
Dept. of Mathematics  
Ramthakur College  
Badharghat, Agartala  
Tripura (West)  
Pin 799003

### Contact Information:

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**E-mail:** [mr.suvadip@gmail.com](mailto:mr.suvadip@gmail.com)

**Home:** <https://sites.google.com/site/suvadip79>

### Career Highlights:

1. Post-doctoral Research Associate in the Department of Mechanical Engineering, University of Hong Kong.
2. Visiting Scientist in Physics and Applied Mathematics Unit, Indian Statistical Institute, Kolkata.
3. Working experience as a Junior/Senior Research Fellow in Physics and Applied Mathematics Unit, Indian Statistical Institute, Kolkata.
4. Ph.D from Jadavpur University, Kolkata (Registered in Jadavpur University, research work done at Indian Statistical Institute).
5. Eleven (11) research publication in internationally reputed journals (Two (2) single author, Six (6) first author and two (2) second author; Highest impact factor: 3.165).
6. Four (4) years research experience as JRF, SRF, Visiting Scientist and RA, Nine (9) years teaching experience as Assistant Professor.
7. Principal investigator of UGC sponsored research project.
8. Shortlisted (top 20%) in CSIR-UGC NET, Qualified in West Bengal SLET.
9. Gold Medal in B.Sc and M.Sc.

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**Educational Qualifications:**

Exam passed	Board/University	Year of Passing	Subjects	Division	Marks (%)	Remarks
Ph.D	Jadavpur University (Work done at Physics and Applied Mathematics Unit, Indian Statistical Institute, Kolkata)	2010	Fluid Mechanics (Title of the thesis: Dispersion phenomena in laminar and turbulent flows)			
M.Sc	Tripura University	2002	Mathematics	I	75.10	1st position (Gold Medal)
B.Sc	Tripura University	2000	Mathematics (Honours), Physics & Statistics	I	63.17	1st position (Gold Medal)
H.S.(+2)	Tripura Board of Secondary Education	1997	Mathematics, Physics, Chemistry, English, Bengali & Biology	I	67.80	
Madhyamik	Tripura Board of Secondary Education	1995	Mathematics, Physical Science, Life Science, Geography, History, English, Bengali & Biology	I	68.33	

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## Academic Achievements:

1. Post-doctoral fellowship offered by University of Hong Kong in 2011.
2. Secured place among the top 20% awardees in the subject Mathematical Sciences, on the basis of the merit lists of the joint CSIR-UGC test for the JRF and Eligibility for lectureship, held in June 2003 / December 2003.
3. Qualified in SLET conducted by WBCSC in 2004.
4. State funded (West Bengal) research fellowship-2004.
5. Junior Research Fellowship-2005 from CSIR.
6. Senior Research Fellowship-2007 from CSIR.
7. National Scholarship-2001.
8. Gold medal for 1st position in M.Sc.
9. Gold medal for 1st position in B.Sc.

## Research Interest:

Mass transport, Dispersion phenomena, Convection-diffusion process, Electrokinetic transport

**Ph.Din August, 2010. Awarded by Jadavpur University, Jadavpur, Kolkata-700032**

**Research work done at Physics and Applied Mathematics Unit, Indian Statistical Institute, 203 B.T. Road, Kolkata: 700108**

Thesis Title: Dispersion phenomena in laminar and turbulent flows

Thesis Supervisor: Professor (Dr.) B.S. Mazumder,  
Physics and Applied Mathematics Unit  
Indian Statistical Institute

203 B.T. Road, Kolkata-700108

Area of study: Fluid Mechanics

## Publications:

1. **Suvadip Paul** and Chiu On Ng, On the time development of dispersion in electroosmotic flow through a rectangular channel, *ActaMechanicaSinica*, 28(3), 2012, 631-643  
ISSN: 0567-7718 (print version)  
ISSN: 1614-3116 (electronic version)  
**Impact factor: 0.832 (2015)**

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URL: <http://ams.cstam.org.cn/EN/abstract/abstract143279.shtml#>

2. **Suvadip Paul** and Chiu-On Ng, Dispersion in electroosmotic flow generated by oscillatory electric field interacting with oscillatory wall potentials, *Microfluidics and Nanofluidics*, 12(1-4), 2012, 237-256.

ISSN: 1613-4982 (print version)

DOI: 10.1007/s10404-011-0868-4

**Impact Factor: 2.537 (2015)**

URL: <http://www.springerlink.com/content/j8h0v318r3018648/>

3. **Suvadip Paul** and B.S. Mazumder, Dispersion of settling particles in oscillatory turbulent flow subject to deposition and re-entrainment, *European Journal of Mechanics B/Fluid*, 31, 2012, 80–90.

ISSN: 0997-7546

DOI: 10.1016/j.euromechflu.2011.07.001

**Impact Factor: 1.418(2015)**

URL: <http://www.sciencedirect.com/science/article/pii/S0997754611000641>

4. B.S. Mazumder and **Suvadip Paul**, Dispersion of reactive species with reversible and irreversible wall reactions, *Heat and Mass Transfer*, 48 (6), 2012, 933-944.

ISSN: 0947-7411 (printversion)

ISSN: 1432-1181 (electronic version)

DOI: 10.1007/s00231-011-0920-7

**Impact Factor: 1.044 (2015)**

URL: <http://www.springerlink.com/content/g422781238720026/>

5. **Suvadip Paul** and B.S. Mazumder, Effects of nonlinear chemical reactions on the transport coefficients associated with the steady and oscillatory flows through a tube, *International Journal of Heat and Mass Transfer*, 54 (1–3), 15, 2011, 75–85.

ISSN: 0017-9310

DOI:10.1016/j.ijheatmasstransfer.2010.08.028

**Impact Factor: 2.857 (2015)**

URL: <http://www.sciencedirect.com/science/article/pii/S0017931010005624>

6. **Suvadip Paul**, Effect of wall oscillation on dispersion in axi-symmetric flows between two coaxial cylinders, *Journal of Applied Mathematics and Mechanics (ZAMM)*, 91 (1), 23–37, 2011.

Online ISSN: 1521-4001

DOI: 10.1002 / zamm.200700106

**Impact Factor: 1.293 (2015)**

URL: <http://onlinelibrary.wiley.com/doi/10.1002/zamm.200700106/abstract>

7. **Suvadip Paul** and B.S. Mazumder, Transport of reactive solutes in unsteady annular flow subject to wall reactions, *European Journal of Mechanics B/Fluids*, 28(3), 2009, 411-419.

ISSN: 0997-7546

DOI: 10.1016/j.euromechflu.2008.09.003

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**Impact Factor: 1.418(2015)**

**URL:** <http://www.sciencedirect.com/science/article/pii/S099775460800099X>

8. **Suvadip Paul**, Axial dispersion in pressure perturbed flow through an annular pipe oscillating around its axis, *Journal of Applied Mathematics and Physics (ZAMP)*, 60(5), 2009, 899-920.

ISSN: 0044-2275 (printversion)

ISSN: 1420-9039 (electronic version)

**DOI:** 10.1007/s00033-009-8056-z

**Impact Factor: 1.560 (2015)**

**URL:** <http://www.springerlink.com/content/k622m3h704r2146/>

9. B.S. Mazumder and **Suvadip Paul**, Dispersion in oscillatory Couette flow with absorbing boundaries, *International Journal of Fluid Mechanics Research*, 35(5), 2008, 475-492.

**DOI:** 10.1615/InterJFluidMechRes.v35.i5.60

**URL:** <http://www.dl.begellhouse.com/journals/678.html>

ISSN Print: 1064-2277

ISSN Online: 2152-5102

10. **Suvadip Paul** and B.S. Mazumder, Dispersion in unsteady Couette-Poiseuille flows, *International Journal of Engineering Science*, 46(12), 2008, 1203-1217.

**DOI:** 10.1016/j.ijengsci.2008.06.006

ISSN: 0020-7225

**Impact Factor: 3.165(2015)**

**URL:** <http://www.sciencedirect.com/science/article/pii/S0020722508001031>

11. S. Debnath, **S. Paul** and A. K. Roy, Transport of Reactive Species in Oscillatory Annular Flow, *Journal of Applied Fluid Mechanics*, 11 (2), 2018, 405-417.

**DOI:** DOI: 10.18869/acadpub.jafm.73.245.27849

ISSN 1735-3572, EISSN 1735-3645.

**URL:** <http://www.sciencedirect.com/science/article/pii/S0020722508001031>

## **Fellowships:**

- Post doctoral fellowship by University of Hong Kong in 2011
- Visiting scientist position by Indian Statistical Institute, Kolkata in 2011
- Senior Research Fellowship by Council for Scientific and Industrial Research (CSIR), New Delhi in 2007
- Junior Research Fellowship by Council for Scientific and Industrial Research (CSIR), New Delhi in 2005
- State funded research fellowship by Government of West Bengal, India in 2004

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## Research Experience:

- Post Doctoral Research Associate, Department of Mechanical Engineering, University of Hong Kong, Pokfulam Road, Hong Kong (29.03.2011-16.10.2011)
- Visiting Scientist, Physics and Applied Mathematics Unit, Indian Statistical Institute, 203 B.T. Road, Kolkata-700108 (01.02.2011-28.02.2011)
- Senior Research Fellow (CSIR), Physics and Applied Mathematics Unit, Indian Statistical Institute, 203 B.T. Road, Kolkata-700108 (21.04.2007-20.04.2008)
- Junior Research Fellow (CSIR), Physics and Applied Mathematics Unit, Indian Statistical Institute, 203 B.T. Road, Kolkata-700108 (21.04.2005-20.04.2007)

## Teaching Experience: More than 11 years

Assistant Professor, Department of Mathematics, Government Degree College, Dharmanagar, Tripura (North), India (21.04.2008-12.06.2019)

Assistant Professor, Department of Mathematics, Ramthakur College, Agartala, Tripura (West), India (13.06.2019-till date)

## Administrative Experience:

- In-Charge of the Department of Mathematics, Government Degree College, Dharmanagar, North Tripura, India from 21.07.2008 to 18.03.2011 and from 17.01.2012 to 09.08.2018
- Assistant-Co-ordinator of Internal Quality Assurance Cell (IQAC), Govt. Degree College, Dharmanagar, Tripura (North) from July, 2012 to July, 2016 and Co-ordinator of the same from 05.08.2016 to 12.06.2019.
- Co-ordinator of Distance Education, Govt. Degree College, Dharmanagar, Tripura (North) from February, 2017 to December, 2017.
- Assistant Coordinator of Indira Gandhi National Open University (IGNOU), SC Code: 2602, Government Degree College, Dharmanagar, Tripura (North) from 01.01.2018 to 12.06.2019.
- Coordinator of Convergence, Indira Gandhi National Open University (IGNOU), PI Code: GDC7950, Government Degree College, Dharmanagar, Tripura (North) from 14.06.2012 to 14.06.2014.
- Principal-in-Charge of Government Degree College, Dharmanagar, Tripura (North) (Occasionally).

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- Officer-in-Charge of Undergraduate final examinations conducted by Tripura University (Occasionally).
  - Coordinator of Science Forum, Government Degree College, Dharmanagar, North Tripura, India from 30.11.2009 to 18.03.2011.
  - Coordinator of UGC Network Resource Center, Government Degree College, Dharmanagar, North Tripura, India from 07.04.2010 to 18.03.2011 and from 30.09.2011 to till date.
  - SPIO, Government Degree College, Dharmanagar, North Tripura, India from 03.11.2014 to 30.06.2018.
  - Member of NSS Advisory Committee, Government Degree College, Dharmanagar, North Tripura, India from 24.10.2014 to 12.06.2019.
  - Convener of Academic and Examination Committee, Government Degree College, Dharmanagar, North Tripura, for the academic years 2012-2013 and 2013-2014.

### **Membership of Learned Societies**

- Life member of Indian Science Congress Association (ISCA)-  
Membership No **L32337**.

### **Conference/Workshop/Orientation Programme:**

- International conference on application of fluid mechanics in industry and environment, August 28-31, 2006, Organized by: Physics and Applied Mathematics Unit, Indian Statistical Institute, Kolkata.
- International workshop on complex systems in fluid flows and sedimentation process, August 27-31, 2007, Organized by: Physics and Applied Mathematics Unit, Indian Statistical Institute, Kolkata.
- International Conference on recent developments in theoretical physics, December 04-07, 2007, Organized by: Physics and Applied Mathematics Unit, Indian Statistical Institute, Kolkata.
- International Conference on Frontier of Mathematics and Applications, January 16-18, 2008, Organized by: Department of Mathematics, University of Burdwan, Burdwan, West Bengal.
- Seminar on Contemporary areas in Physical and Life Sciences, November 26-27, 2009, Organized by Inter Quality Assurance Cell, Karimganj College, Karimganj in association with Center for Advance Research & Education, Saha Institute of Nuclear Physics, Kolkata.

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- INDO-US Bilateral Workshop on Sedimentation, Erosion, Flooding and Ecological Health of Rivers, November 1-3, 2010, Organized jointly by Physics and Applied Mathematics Unit, Indian Statistical Institute, Kolkata, India and Illinois State Water Survey, University of Illinois at UrbanaChampaign, USA.
  - State level popular science seminar organized by Govt. Degree College, Dharmanagar in 2013 and 2014.
  - National Seminar on ‘Science and Technology for National Development’ on 23<sup>rd</sup> March, 2017 organized by Govt. Degree College, Dharmanagar in collaboration with The Indian Science Congress Association-Kolkata Chapter (ISCA).
  - Seminar on ‘Quality enhancement in higher education’ organized by RKM, Kailasahar.
  - Participated in the two day workshop on RTI organized by SIPARD, Camper Bazar, Agartala.
  - Supervised project entitled ‘Climate change in Tripura aspect: a statistical study’ in the 2<sup>nd</sup> students’ project programme, on 17 & 18 March, 2017.

### **Faculty Development Programme:**

- 38<sup>th</sup> Orientation Programme (23<sup>rd</sup> Jan – 19<sup>th</sup> Feb, 2017) conducted by UGC-Human Resource Development Centre, North-Eastern Hill University, Shillong and awarded with grade – A.
- Refresher course (8<sup>th</sup> Jan – 28<sup>th</sup> Jan, 2019) conducted by Tripura University (A Central University) and funded by Ministry of Human Resource Development, Department of Higher Education, Govt. of India and awarded with grade – A.

### **Seminar Organized:**

Organized two day National seminar as an Organizing Secretary on **Quality Enhancement in Higher Education in Northeast India: Challenges and Opportunities**, Date: 25<sup>th</sup> and 26<sup>th</sup> February 2017.

### **Minor Research project:**

**Title:** Solute dispersion in axi-symmetric laminar flows through an annulus

**Funding agency:** University Grants Commission

**Amount:** 2 lakhs

**Status:** Completed

### **Books published:**

Edited two books written according to the syllabus of Tripura Board of Secondary Education.



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## **Present Position:**

Assistant Professor, Department of Mathematics, Ramthakur College, Agartala, West Tripura, India (13.06.2019-Till date)

## **Technical Skills:**

HTML, PHP, SQL, Javascript, JQuery, Ajax.

Matlab, Maple, Mathematica, SPSS, Latex, MS Office, Fortran, CorelDraw, Adobe Photoshop

**Developed Admission Software, Examination Management Software, Academic Section Automation Software for Govt. Degree College, Dharmanagar. (Youtube link: [https://youtu.be/TASVS3m20\\_I](https://youtu.be/TASVS3m20_I))**

## **Personal Information:**

Sex : Male

Parents: Late Subodh Ch. Paul, Smt. Shukla Paul

Date of birth: 31st July, 1979

Place of birth: Kamalpur, Dhalai Tripura, India.

Nationality: Indian by birth.

Marital Status: Married.

Hobbies: Software development, Net surfing.

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## References:

These persons are familiar with my professional qualifications and my character:

Dr. Dilip Sarkar Principal Govt. Degree College, Dharmanagar Tripura (North)-799253 Phone: +91-9436452819 e-mail: <a href="mailto:me.dilipsarkar@gmail.com">me.dilipsarkar@gmail.com</a>	Dr. SambhunathRakshit Principal MBB College Tripura (North)-799253 Phone: +91-9436504280 e-mail: <a href="mailto:snrakshit2013@gmail.com">snrakshit2013@gmail.com</a>
Dr. Shyamal Debnath Assistant Professor Department of Mathematics Tripura University (A Central University) Agartala, Tripura (West) Phone: +91-9436548365 e-mail: <a href="mailto:shyamalnitamath@gmail.com">shyamalnitamath@gmail.com</a>	Dr. C. O. Ng Associate Professor Department of Mechanical Engineering University of Hong Kong Room 7-1, HakingWongBuilding, HKU Pokfulam Road, Hong Kong Tel: (852) 2859 2622 Fax: (852) 2858 5415 e-mail: <a href="mailto:cong@hku.hk">cong@hku.hk</a>