

CURRICULUM VITAE

- 1. Name** : Dr. JAHIR ABBAS AHMED
2. Designation : ASSISTANT PROFESSOR
3. Office Address : Department Of Physics
AKI's Poona College of Arts,
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zahir07iitg@gmail.com

- 4. Date of Birth** : 16:09:1983

5. Academic Qualification

Degree	Year	Institution/ Board	Country
Ph.D.	2013	Indian Institute of Technology, Guwahati	India
M.Sc.	2005	Aligarh Muslim University	India
B.Sc.	2003	Aligarh Muslim University	India
HSC	2000	WBCHSE	India
SSC	1998	WBBSE	India

6. Teaching Experience

Duration	Position Held	Organization
June 2016 till date	Assistant Professor	AKI's Poona College of Arts, Science and Commerce
July 2013 to July 2015	Assistant Professor	BSAR University, Vandalure, Chennai

7. PhD Topic	:	Sandpile under rotational constraint: Scaling, Universality and Crossover
8. Area of Interest	:	Soft Condensed Matter Physics, Biophysics, Computational Physics
9. Courses Taught	:	Statistical Mechanics, Classical Mechanics, Computational Physics, Molecular Symmetry and Group Theory, Electricity and Magnetism
10. Other Innovative Activities	:	
11. Membership of Learned Societies and Administrative Bodies;		
12. Abroad Visits		
13. Publication Details		

1. *A Lamin-Associated Chromatin Model for Chromosome Organization,*

Ajoy Maji, **Jahir A. Ahmed**, S. Roy, B. Chakrabarti, and Mithun K. Mitra, *Biophysical Journal* **118**, 3041–3050 (2020)

2. *Crossover from rotational to stochastic sandpile universality in the random rotational sandpile model,*

Himangsu Bhaumik, **Jahir Abbas Ahmed** and S. B. Santra, *Phys. Rev. E* **90**, 062136 (2014).

3. *Flooding transition in the topography of toppling surfaces of rotational and stochastic sandpile models,*

Jahir Abbas Ahmed and S. B. Santra, *Phys. Rev. E* **85**, 031111 (2012).

4. *Critical properties of island perimeters in the flooding transition of stochastic and rotational sandpile models,*

Jahir Abbas Ahmed and S. B. Santra, *Physica A* **391**, 5332 (2012).

5. *Rotational Sandpile Models: A finite size scaling study,*

Jahir Abbas Ahmed and S. B. Santra, *Computer Physics Communications* **182**, 1851(2011).

6. *Avalanche properties of sandpile models in terms of a microscopic parameter,*

Jahir Abbas Ahmed and S. B. Santra, *Europhys. Lett.* **90**, 50006 (2010).

7. *Finite size scaling in a BTW like sandpile models,*

Jahir Abbas Ahmed and S. B. Santra, *Eur. Phys. J. B* **76**, 13-20 (2010).

8. *Invasion of a sticky random solid: Self-established potential gradient, phase separation, and criticality,*

S. B. Santra, Santanu Sinha and **Jahir Abbas Ahmed**, *Phys. Rev. E* **78**, 061135 (2008).

14. Participation in National/International One Week -duration Workshops

1. Year-2020: Two weeks faculty development programmeentitled

“MANAGING ONLINE CLASSES and CO-CREATING MOOCS:2.0”

held at **Ramanujan College, New Delhi.**

2. Year-2017: *108th Orientation Program (28 days)* held at **Jawaharlal Nehru University, New Delhi.**

3. Year-2016: *Science Academies Refresher Course (14 days) in Quantum Mechanics* held at **Bishop Moore College, Mavilikara, Kerala.**

4. Year-2012 : *SERC school on Rheology of Complex Fluids* held at **Indian Institute of Technology Guwahati, Guwahati, India.**

5. Year-2010 : *RRI School on Non-equilibrium Statistical Physics* held at **Raman Research Institute, Bangalore, India.**

6. Year-2008 : *SERC school on Computational Statistical Physics* held at **Indian Institute of Technology Guwahati, Guwahati, India.**

15. Participation in Conferences / Seminars / Workshops;

16. Contributions to Corporate Life
17. Supervising the Ph.D. Candidates:

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(Dr. Jahir Abbas Ahmed)