



## BRIEF

## CONTACT

DEPARTMENT: Physics

SCHOOL OF STUDIES: Sciences

DATE OF JOINING: 20.08.2015

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# DR. GAHUL AMIN

Designation : Associate Professor of Physics

## ACADEMIC QUALIFICATION: PH.D

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## TEACHING EXPERIENCE: 19 YEARS 11 MONTH

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**Netaji Subhas Open University, Associate Professor of Physics**  
20-08-2015–till date

**Chanhcal College, Assistant Professor**  
13-01-2003–19-08-2015

## AWARD AND FELLOWSHIP

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## RESEARCH INTERESTS & EXPERIENCE

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Data analysis and modelling of environmental data.

## ADMINISTRATIVE EXPERIENCE

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Teacher-in -Charge 16-11-2011 to 19-08-2015

## UG & PG TEACHING ASSIGNMENTS

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UG-19 Years 11 month

## NO. OF CANDIDATE AWARDED/ REGISTERED FOR PH.D.

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Enrolled 1 candidate

## MEMBERSHIP OF DIFFERENT COMMITTEES

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UG BOS, DRC

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**ELIGIBILITY TEST CLEARED (NET/SET/GATE etc.):**

Sl. No.	Details
01	NET JRF DEC 2000
02	NET LS JUN 2000
03	GATE 2001 (98.87 Percentile- AIR 19)
04	GATE 2000 (95.33 Percentile)

**CO-CURRICULAR ACTIVITIES / EXPERIENCE**

Sl. No.	Details
01	NSS Co-Ordinator
02	NCC Caretaker Officer

**RESEARCH PROJECTS:**

Sl. No.	Name of the Project	Funding Agency	Period	Grant Mobilized	Outcome
01	Study on the heavy metals on ripe Mango, Mango Juice, Dry Mango Pulp (Amsatta) other mango product available in the market in the MALDA District.	UGC	2016-2018	2.6 lakh	
02	Comparative study of learning Physics, a laboratory based subject, in regular mode and distance/open mode:A statistical approach.	UGC-DEB	2016-2020	1 lakh	

**DETAILS OF PUBLICATIONS (BOOKS/ EDITED VOLUME / RESEARCH PAPERS/REVIEW): [Last 10 Year]**

Sl. No.	Title of the paper vol. No., Issue No., Page No, Year	Publisher	Year of publication	ISSN/ ISBN
1	MANGROVES OF THE GANGETIC DELTA	Kindle Direct Publishing	2019	978- 1713274247
2	Windows of Environment	Kindle Direct Publishing	2019	978- 1708927257
3	An introduction to satellites and cyclones	Kindle Direct Publishing	2020	B08DHGCYC7
4	Physics Laboratory-II (CC-PH-02) (UNIT-10)	NSOU	2021	
5	Mechanics and General Physics (CC-PH-03) – Format Editor	NSOU	2021	
6	Laboratory-IV(CC-PH-06)- Writer- (Unit 2,7,8,9,12,13,14) and Format Editor	NSOU	2021	
7	Electrical Circuits and Network Skills (SE-PH-11)– Editor and Format Editor	NSOU	2022	
8	Waves and Optics (CC-PH-09) – Editor (Unit 8 -14)	NSOU	2021	
9	Renewable Energy and Energy Harvesting – Writer	NSOU	2022	
10	DSE Lab-I – Format Editor	NSOU	2022	
11	Solid State Physics – DSE3- Editor and Format Editor	NSOU	2022	
12	Elements of Modern Physics – GE4- Writer (Unit-5,6,7) and Editor(Unit 1,2,3 and 4) and Format Editor	NSOU	2022	
13	Mechanics-GE1-Format Editor	NSOU	2021	
14	Thermal Physics-GE2-Fromat Editor	NSOU	2021	
15	Waves and Optics-GE3- Format Editor	NSOU	2021	
16	Status of Heavy Metal in the Lower Gangetic Delta: Implication of Acidification on Compartmentation	Journal of Environmental Analytical Chemistry	2014	2380-2391
17	Forecasting Heavy Metal Level on the Basis of Acidification Trend in the Major Estuarine System of Indian Sundarbans	Journal of Energy, Environment and Carbon Credits	2014	2249-8621
18	Community Structure of Mangroves: A Case Study from Indian Sundarbans.	International Journal of Universal Pharmacy and Bio-Sciences	2014	2319-8141
19	Bioaccumulation Pattern of Heavy Metals in Saltmarsh Grass (Porteresiacoractata) of Indian Sundarbans.	Journal of Energy, Environment & Carbon Credits	2014	2249-8621
20	BEST FROM THE WASTE: A CASE STUDY OF WATER HYACINTH.	INTERNATIONAL JOURNAL OF UNIVERSAL PHARMACY AND BIO SCIENCES	2014	2319-8141
21	Heavy metal accumulation in a mangrove associate species Ipomoea pescaprae in and around the World Heritage Site of Indian Sundarbans.	Journal of Environmental Science, Computer	2014	2278-179X

		Science and Engineering & Technology		
22	CONCENTRATIONS OF ZINC, COPPER, LEAD AND CADMIUM IN EDILE FIN FISHES OF COASTAL WEST BENGAL, INDIA.	INTERNATIONAL JOURNAL OF INSTITUTIONAL PHARMACY AND LIFE SCIENCES	2015	2249-6807
23	Impact of Salinity on the Condition Factor of Commercially Important Fin Fish in the Lower Gangetic Delta.	Journal of Environmental Science, Computer Science and Engineering & Technology	2015	2278-179X
24	MacrobenthicMolluscan Diversity in the Major Intertidal Zones of the Maritime States of India.	Journal of Environmental Science and Pollution Research	2015	2455-0272
25	Impact of Aila on the Dissolved Oxygen Level in the Indian Sundarbans Region	Journal of Energy, Environment & Carbon Credits	2015	2249-8621
26	Spatio-Temporal Variation of Nitrate in the Lower Gangetic Delta Water.	International Journal of Innovative Studies in Aquatic Biology and Fisheries	2015	2454-7670
27	Future Trend of Phosphate in and around the World Heritage Site of Indian Sundarbans.	Journal of Environmental Science, Computer Science and Engineering & Technology.	2015	2278-179X
28	Water Quality Index (WQI) of East Kolkata Wetland using Dissolved Oxygen as Proxy.	International Advanced Research Journal in Science, Engineering and Technology	2016	2393-8021
29	Inter-annual variation of salinity in Indian Sundarbans.	Indian Journal of Geo-Marine Science.	2016	0379-5136
30	Can seaweed be a potential sink of Carbon?	International Journal for Research in Applied Science & Engineering Technology	2016	2321-9653
31	Seasonal pattern of heavy metals levels in vegetable and fish species collected from East Kolkata Wetlands	INTERNATIONAL JOURNAL FOR INNOVATIVE RESEARCH IN MULTIDISCIPLINARY FIELD	2017	2455-0620
32	Response of mangroves to climate change: A case study from the WorldHeritage Site of Indian Sundarbans.	INTERNATIONAL JOURNAL FOR INNOVATIVE RESEARCH IN MULTIDISCIPLINARY FIELD	2017	2455-0620
33	Prediction of Dissolved Oxygen in Indian Sundarbans: Vision 2050	International Advanced Research Journal in Science, Engineering and Technology	2015	2393-8021
34	Excoecaria agallocha: A Potential Mangrove Species in Context to Carbon Storage in High Saline Zone	Journal of Environmental Science, Computer Science and Engineering & Technology	2016	2278-179X

#### PAPERS PRESENTED AT SEMINARS, CONFERENCES, WORKSHOPS, ETC.: [Last 10 Year]

Sl. No.	Title of Paper/ Lecture	Organizing Institute	Conference, Seminar, workshop etc	Role (Paper presenter/ invited talk/ chairperson)	International (Within Country)/ International (Abroad)/National
1	Phailin :Impacts and Indicators		National Seminar on Understanding hazards and their Mitigation Options	Paper Presented	National
2	Teaching Physics in Open Mode: challenges and new pathways		National workshop on Capacity Building for Teachers of ODL Institutes.	Paper Presented	National
3	ARIMA and Exponential Smoothing- A Modern Statistical Tool To Forecast Environmental Variables		National Seminar on Current Trends in Computational Physics.	Paper Presented	National

4	CONCENTRATIONS OF ZINC, COPPER AND LEAD IN EDIBLE FISHES OF COASTAL WEST BENGAL, INDIA.		International Conference on Environment and Ecology	Paper Presented	International (within country)
5	Protecting Coastal Biodiversity, Mitigation Threats to the Sundarbans Ecosystem		National seminar on Protecting Coastal Biodiversity, Mitigation Threats to the Sundarbans Ecosystem	<b>chairperson</b>	<b>National</b>
6	Inter-annual variation of salinity in Indian Sundarbans		National Conference on Progress in Bioengineering and Environmental Management(NCPBEM) 2017	<b>invited talk</b>	<b>National</b>
7	Progress in Bioengineering and Environmental Management		National Conference on Progress in Bioengineering and Environmental Management(NCPBEM) 2018	<b>chairperson</b>	<b>National</b>
8	Role of Teaching Aids in Physics: For laboratory Knowledge Enhancement		International Seminar on higher Education in the Present context: Role of Library and Teaching Aids	Paper Presentation	International (within country)
9	Study on decadal variation of nutrients and chl a at digha coast, WB, India		International conference on climate change: Impact, Management, Law and Policy Formulation. Techno India University and NUJS	Paper Presentation	International (within country)
10	ARIMA & Exponential Smoothing- A Modern Statistical Tools to Forecast Environmental Variables.	Department of Physics Dukhulal Nibarun Chandra College & Nathulal Das B.Ed. College.	Department of Physics Dukhulal Nibarun Chandra College & Nathulal Das B.Ed. College.	Invited Lecture	International (within country)

#### TUTORIALS / PRACTICAL / PROJECT SUPERVISION & FIELD WORK: [Last 5 Year]

Sl. No.	Type of Work	Related Programme	Year
1	LCES	Teacher	2015
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#### Declaration:

I do hereby declare that the information given above are correct and true to the best of my knowledge.

*Rahul Amien*

**Signature**  
**Date : 22-12-2022**