

Name: Dr. Palas Mandal
Designation: Assistant Professor
Branch: Mathematics



Educational Qualification(s):

Qualification(s)	University
Bachelor of Science (Mathematics Hons.)	University of Kalyani (Santipur College)
Master of Science (Mathematics and Computing)	Indian Institute of Technology Guwahati
Master of Philosophy (M.Phil.) Applied Mathematics	IIT(ISM) Dhanbad
Doctorate of Philosophy (Mathematics)	Jadavpur University
GATE Q	UGC

Experience in years: 3 Years 2 Months

Academic:

Details:

Sl. No.	Organization	Position Held	Duration	
			From	To
1.	NarsinhaDutt College (Calcutta University)	Guest Faculty	01.01.2019	15.03.2019

Research:

Details:

Sl. No.	Organization	Position Held	Duration	
			From	To
1.	IIT Bombay	Postdoctoral Fellow	17.11.2020	16.11.2022
2.	IIT Hyderabad	Research Associate-II	01.10.2020	15.11.2020
3.	IIT Hyderabad	Research Associate-I	28.03.2019	27.03.2020

Industrial:

Details:

Sl. No.	Organization	Position Held	Duration	
			From	To

1.	KDM Engineers Pvt.	Manager in Simulation (R & D)	01.07.2023	20.07.2023
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Other Information:

a) Publication details.

JOURNAL

1. PalasMandal,SurendraNadhSomala,“FunctionallyGraded Materialspilestructure: for Seismic Noise Cancellation” **International Journal of Geomechanics**.[10.1061/\(ASCE\)GM.1943-5622.0002537](https://doi.org/10.1061/(ASCE)GM.1943-5622.0002537).(I.F: 3.965)
2. SomashriKaran,**PalasMandal**,SanjoyBasu&SubhasChandraMandal,“Interactionofshe arwaveswith semi-infinite moving crack inside of an orthotropic media”, **Waves in Random and ComplexMedia**,2021,<https://doi.org/10.1080/17455030.2021.1987583>. (I.F: 4.805)
3. PalasMandal,SurendraNadhSomala,S.Narayanakumar “DispersionofLongitudinalWaves by Four Coplanar Mode-I Cracks in an Infinite Elastic Medium”**InternationalJournal of Applied and Computational Mathematics**, 7(87), 2021,<https://doi.org/10.1007/s40819-021-01012-7>. (Scopus)
4. Palas Mandal,S.C.Mandal,“Sh-WavesInteractionwith CrackatOrthotropic Interface” **WavesinRandomandComplexMedia**,doi.org/10.1080/17455030.2020.1720043.(I.F:4.805)
5. Palas Mandal, “Moving Semi-infinite Mode-III Crack inside the Semi- infinite ElasticMedia, **Journal of Theoretical and Applied Mechanics**, 58(3),649-659, 2020,[10.15632/itam-pl/117813](https://doi.org/10.15632/itam-pl/117813).(I.F:0.905)
6. Palas Mandal,SurendraNadhSomala“Periodicpile-soilssystemasabarrierforseismicsurfacewaves”**SNApplied Sciences**, 2020,doi.org/10.1007/s42452-020-2969-8.(I.F: 2.6)
- 7.Palas Mandal,S.C.Mandal,“MovingCollinear GriffithCracks inOrthotropic Interface” **JournalofSolidMechanics**,12(3), 681-699,2020,[10.22034/jsm.2020.1894276.1554](https://doi.org/10.22034/jsm.2020.1894276.1554).(Scopus)
- 8.Palas Mandal, S. C. Mandal. “Interface Crack at Orthotropic Media”. **International Journal ofAppliedandComputationalMathematics**,3(4),32531762,2016,[10.1007/s40819-016-0290-4](https://doi.org/10.1007/s40819-016-0290-4).(Scopus)
9. **PalasMandal**,S.C.Mandal,“P-wavesinteractionwithcrack aorthotropicinterface”**InternationalJournalofMathematicalTrendandTechnology**,55(4) ,266-279,2018.[DOI:10.14445/22315373/IJMTT-V55P535](https://doi.org/10.14445/22315373/IJMTT-V55P535).

CONFERENCEPROCEEDINGS

10. Palas Mandal, S. C. Mandal., "Cracked Orthotropic Interface". American Institute of Physics Conference Proceedings, 1975, 030021, 2018, [10.1063/1.5042191](https://doi.org/10.1063/1.5042191). (Scopus).

(b) Details of Seminar/Workshop/Conference

Conferences Paper Presentation:

1. FIAM-2018 International Conference on Frontiers in Industrial and Applied Mathematics, NIT Hamirpur, Himachal Pradesh, India, April 26-27, 2018.
2. International Conference on 61st Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM), VIT University, Vellore, Tamilnadu, India, December, 11-14, 2016.
3. National Conference on Emerging Trends in Physics of Fluids and Solids, Jadavpur University, Kolkata-700032, West Bengal, India, February 24-25, 2016.
4. International Conference on Mathematical Analysis and Application in Modeling, Jadavpur University, Kolkata-700032, West Bengal, India, March 16-17, 2017.

Conferences Attended:

1. International Conference on Nonlinear Dynamics, Analysis and Optimization, Jadavpur University, Kolkata-700032, West Bengal, India, December, 9-11, 2015.
2. National Conference on Mathematical and Theoretical Biology, Jadavpur University, Kolkata-700032, West Bengal, India, March 16-17, 2017.