

Research Publications in Journals

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
1	Effect of wave spreading including multi-directional wave interaction on the responses of a spar platform	A. K. Banik, Shovan Roy , Kaushik Saha and Swarnadip Dey	Civil Engineering	Marine Systems and Ocean Technology (Springer)	2019	ISSN: 1679-396X
2	Dynamic Analysis of Telecommunication Tower for Optimum Modal Combination and Elemental Discretization	Trishit Chandra, Sanjay Sengupta	Civil Engineering	International Journal of Engineering and Advanced Technology	2019	ISSN:2249 – 8958
3	Presplit blasting for stabilization of highwall slopes and productivity enhancement in a trench-mining project	Pijush Pal Roy , Chhangte Sawmliana & Rakesh Kumar Singh	Civil Engineering	Journal of Mines, Metals and Fuels	2019	0022-2755
4	Coupled dynamic responses of a semisubmersible under the irregular wave and turbulent wind	Swarnadip Dey, Rupam Mukherjee, Shovan Roy and A. K. Banik	Civil Engineering	Journal of Ocean Systems Engineering (Techno Press)	2018	ISSN: 2093-6702 (Print), 2093-677X (Online)
5	Numerical Study on Non-Linear Coupled Dynamic Analysis of an FPSO Subjected to Misaligned Environmental Loads	Shovan Roy and A. K. Banik	Civil Engineering	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2018	ISSN (P): 2249-6890; ISSN (E): 2249-8001
6	Comparison of rao's of different types of braceless V-shaped semisubmersible platform	Swarnadip Dey, Rupam Mukherjee, Shovan Roy and A. K. Banik	Civil Engineering	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2018	ISSN (P): 2249-6890; ISSN (E): 2249-8001

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7	Seismic vibration control of offshore jacket platforms using decentralized sliding mode algorithm	Ankita Som , Diptesh Das	Civil Engineering	Ocean Engineering (Elsevier)	2018	ISSN: 0029-8018
8	Dynamic responses of an FPSO moored on sloped seabed under the action of environmental loads	Shovan Roy and A. K. Banik	Civil Engineering	Journal of Ocean Systems Engineering (Techno Press)	2018	ISSN: 2093-6702 (Print), 2093-677X (Online)
9	A coupled analysis of motion and structural responses for an offshore spar platform in irregular waves	Shovan Roy , Vinayak Ghosh, Swarnadip Dey, Sudharsan Vimmedi and A. K. Banik	Civil Engineering	Journal of Ship and Offshore Structures, (Taylor Francis)	2017	1744-5302
10	An equivalent spherical charge conversion (ESCC) approach for prediction of ground vibration due to blasting	Pijush Pal Roy	Civil Engineering	<i>Mining Technology (Transactions of the Institutions of Mining and Metallurgy: Section A)</i>	2017	ISSN : 1474-9009
11	Safety concerns of ancient temple due to blasting in adjacent mines	Pijush Pal Roy , Chhangte Sawmliana, Rakesh Kumar Singh	Civil Engineering	Geotechnical and Geological Engineering	2016	ISSN NO : 0960-3182
12	Vibration prediction models and their efficacy in deciding explosive quantity in a blast	Pijush Pal Roy	Civil Engineering	Journal of Mines, Metals and Fuels	2016	ISSN NO: :0022-2755
13	Extraction design of locked-up coal by highwall mining in India	John Loui Porathur, Chandrani P. Verma . Pijush Pal Roy , Amar Prakash	CE	The Indian Mining and Engineering Journal	2015	ISSN: 0019-5944

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14	Safety of dam structures from ground vibrations due to demolition blasting of Coffe Wall of a hydroelectric project in India	Pijush Pal Roy , Chhangte Sawmliana, Rakesh Kr. Singh & Ramesh Mukhiya	CE	Noise & Vibration Worldwide	2015	ISSN NO: 0957-4565
15	Mechanism of rock breakage by blasting and influence of rock and explosive properties on blast results	C. Sawmliana and P. Pal Roy	CE	Journal of Mines, Metals and Fuels	2015	ISSN NO: 0022-2755
16	Structural damage localisation by acoustic emission technique: A state of the art review	Sanjay Sengupta , A.K Datta, Pijush Topdar	CE	Latin American Journal of Solids and Structures	2015	ISSN 1679-7817 E-ISSN 1679-7825