

## Curriculum Vitae

1. **Name:** Dr. Manas Kumar Mallick
2. **Department:** Mining Engineering
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**6. Qualification:**

Sl. No.	Degree	Year of Passing	Specialisation	Institute
01	Ph.D	2022	Mine Planning and Design	IIT (ISM) Dhanbad
<b>Title of Thesis:</b> An Ore Clustering Strategy vis-à-vis Decisive Site Algorithm for Long Term Production Scheduling of Limestone Mine				
02	M.Tech	2010	Mineral Engineering	IIT (ISM) Dhanbad
03	B.Tech	2007	Mining Engineering	Government College of Engineering, Keonjhar

- 7. Area of Specialisation:** Computer aided Mine Planning and Design, Rock Excavation, Rock Blasting Engineering, Surface and Underground Mine Machinery, Coal and Mineral Processing Technology, Mine Waste Management

**8. Subject Taught:**

**UG:** Rock Excavation Engineering, Mining Machinery I & II, Underground Metal Mining Methods, Mineral Processing, Rock Mechanics and Ground Control, Mine Surveying, Drilling and Blasting, Surface Mining, Mine Economics, Mine Ventilation, Advanced Underground Coal Mining Methods, Mine Planning & Design

- 9. Professional Experience:** More than 13 years in both academics and industries

**I) Teaching Experience:**

Sl. No.	Position Held	Name of Organisation	From	To
01	Assistant Professor	Malla Reddy College of Engineering and Technology, Secunderabad	May 2015	January 2018
02	Assistant Professor (TEQIP III,NPIU)	BIT, Sindri	January 2018	January 2022
03	Assistant Professor (Academic Level 10, Rs. 59,400/-)	BIT, Sindri	January 2022	Continuing

**II) Research Experience:**

Sl. No.	Position Held	Name of Organisation	From	To
01	Research Scholar	IIT (ISM), Dhanabd	February 2016	January 2022

**III) Industrial Experience:**

Sl. No.	Position Held	Name of Organisation	From	To
01	Manager	Dhara Manganese and Ferro Alloy Pte Ltd	December 2014	May 2015
02	Manager	Shri Bajrang Power and Ispat Ltd, Raipur	February 2014	December 2014
03	Associate Manager	McNally Bharat Engineering Company Ltd, Kolkata	July 2010	February 2014
04	Assistant Manager	Adhunik Steel Ltd	May 2007	May 2008

**10. Publications:****I) Journal (Science Citation Index):**

Sl. No.	Title of the Paper	Name of the Journal	Volume/No	Year of Publication	Pages
01	Preliminary Studies on Teeter bed Separator for Separation of Manganese Fines	Powder Technology	239, ISSN: 0032-5910	2013	284-289

**II) Journal (Scopus Index):**

Sl. No.	Title of the Paper	Name of the Journal	Volume/No	Year of Publication	Pages
01	Evaluation of potency of several soft computing models and geostatistical techniques in foretelling the qualitative indices of limestone	Journal of Mines, Metals and Fuels (JMMF)	Vol. 71 (2)ISSN:0022	2023	54-62
02	Geological Reserve Estimation of Limestone Deposit: A Comparative Study Between ISDW and OK	Modelling, Measurement and Control C (MMC_C)	Vol. 81 (1-4)	2020	72-77
03	Long term Open Pit Mine Production Scheduling with variable Cut-off grade for Cost Optimization	Journal of Mines, Metals and Fuels (JMMF)	Vol. 69 (2)ISSN:0022-2755	2020	58-64

04	Geological Resource Modeling and Mine Planning of a Surface Limestone Deposit	Journal of Mines, Metals and Fuels (JMMF)	Vol. 68 (2)ISSN:0022-2755	2020	64-67
05	Inverse Square Distance Weighting vis a vis Ordinary Kriging Technique in Resource Estimation	Journal of Mines, Metals and Fuels (JMMF)	Vol67 (11) ISSN:0022-2755	2019	501-506

### III) International Conference:

Sl. No.	Title of the Paper	Name of the Journal	ISBN No.	Year of Publication	Pages
01	A Study to reduce dust on Haul roads in Open Cast Coal Mines by using Chemical Suppressants	International Conference on Emerging Technologies in Mechanical Science (ICETMS)	ISBN: 9789383038466	December 2016	247-251

### IV) National Conference:

Sl. No.	Title of the Paper	Name of the Journal	ISBN No.	Year of Publication	Pages
01	Mine Planning and Design: A step wise approach to build better strategy for Mining Project	Recent Practices and Advancement in Mineral Industry (RPAMI-2020)	Proceedings	February 2020	201-206
02	Use of different Optimisation techniques in Mine Planning for better utilisation of Resources	National Conference on Advances in Mining (AIM-2020)	Proceedings	January 2020	145-156
03	A comparative study of chemical polymers to reduce dust on haul road in open cast mine	National Conference on Recent Challenges in Mining Industries	Proceedings	April 2018	319-326
04	A case study of Open cast Iron Ore Mine modelling and its Pit Optimisation	National Conference on Innovative trend in Mining Engineering	ISBN: 9789383038510	January 2017	235-239
05	Application of Floatex Density Separator for treating	Geominetech Symposium (ENTMS 2010),	Proceedings	May 2010	109-114

	Siliceous Manganese Ore Fines	The Indian Mining Industry Journal			
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**11) Conference/Workshop/Seminar Organised:**

Sl. No.	Title of the Seminar/Conference/Short-term Courses	Name of the Coordinator	Funding/Sponsoring Agency	Date of Seminar/Conference/Short-term Courses	No. of Participants
01	International Conference on Emerging Technologies in Mechanical Science (ICETMS)	Manas Kumar Mallick	CMR Educational Society	December 2013	200

**12) Symposium/ Workshop/ Seminar/ FDP Attended:**

Sl. No.	Title of Symposium/ Workshop/Seminar/ FDP/Short-term Courses	Date	Organising Institute
01	Faculty Development Programme on Entrepreneurship	5-15 July 2023	BIT, Sindri
02	Research Methodology and Research Paper Writing (RMPW-2023)	13-17 February 2023	BIT, Sindri
03	International Symposium on Entrepreneurship in the Digital Era-2022 (ISEDE -2022)	18-20 November 2022	BIT, Sindri

**13) Industry Sponsored Consultancy Project:**

Sl. No.	Name of the Consultancy Project	Sponsoring Organization	Role
01	Scientific study for preparation and formulation of Strata Control and Monitoring Plan of depillaring with stowing in district 33 EL Panel No 34 in Naga Seam (R VIII) at No 8 Pit, Nimcha Colliery	M/s ECL	Co- Principal Investigator
02	Scientific study in designing deep hole drilling and blasting system at Tetulmari Patch & Departmental Patch of AKWMC Colliery, Katras Area	M/s BCCL	Principal Investigator
03	Scientific study in designing deep hole drilling and blasting system at Bansdeopur Colliery, Sijua Area	M/s BCCL	Principal Investigator

04	Scientific Study regarding deep hole trial controlled blasting at New Kenda OCP Quarry No. 2, Kenda Area	M/s ECL	Principal Investigator
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**14) Administrative Position Held:**

Sl. No.	Position Held	From (Date/Month/Year)
01	Associate Manager	July 2010 to February 2014
02	Manager	February 2014 to December 2014
03	Manager	December 2014 to May 2015
04	Mentor/ Counsellor for Mining Engineering Students	10 <sup>th</sup> September 2018
05	TEQIP MIS Coordinator	14 <sup>th</sup> July 2018
06	Departmental Purchase Committee Member	20 <sup>th</sup> July 2018
07	IQAC Coordinator	February 2022
08	Assistant Hostel Superintendent	March 2022

**15) Award/ Recognition bestowed on faculty (State/ National/International):**

- I) Gold Medalist in M. Tech for securing 1<sup>st</sup> position among the Branch at IIT (ISM), Dhanbad
- II) Secured 2<sup>nd</sup> Position in B. Tech among the Branch at Government College of Engineering, Keonjhar
- III) Secured 52<sup>th</sup> rank in GATE Mining Engineering.

**15) Members of Professional Bodies: IIME, ISTE, MEAI**