

CURRICULUM VITAE

1. PERSONAL INFORMATION

Name in Full: **Dr. Murlidhar Patel**

2. PARTICULARS OF EDUCATIONAL QUALIFICATIONS

Sl. No.	Degree Obtained & Branch / Specialization	Name of the University/Institute	Year of Passing	% of Marks/ CGPA	Class/ Division
01	B.E. (Mining)	Pt. RSU Raipur	1988	65%	1 st
02	M.Tech. (Mining)	IIT BHU Varanasi	2001	9.6	1 st
03	Ph.D. (Mining)	NIT, Raipur	2020	Specialization in Acid Mine Drainage Treatment, Mine Ventilation, Underground Metal Mining, Mine Environment	

3. PARTICULARS OF EXPERIENCE

i) Teaching Experience :		25.5	years			
Sl. No.	Name of the organization	Designation	Date of Joining	Date of leaving	Last Pay Band and Grade Pay*	
01	GEC Bilaspur	Lecturer	23/07/1994	15/09/1998		
02	GEC Raipur	Lecturer	16/09/1994	22/07/2005		
03	NIT Raipur	Reader	23/07/2005	22/07/2008	PB3 – Grade Pay 8000	
04	NIT Raipur	Asso. Prof.	23/07/2008	Till Date	PB4 – Grade Pay 9000	
ii) Research Experience:			years			
Sl. No.	Name of the organization	Designation	Date of Joining	Date of leaving	Last Pay Band and Grade Pay*	
iii) Industry Experience:		5.5	years			

1	MOIL, Limited Nagpur	Mining Engineer	29/07/1988	25/04/1994	
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5. LIST OF PUBLICATIONS

S. No.	Papers in journals
International Journals	
1.	Patel M. D., Jade, R. K., & Dewangan P. K., (2018). Occurrence of Acid Mine Drainage and its Treatment by Successive Alkalinity Producing System (SAPS): An Overview. <i>International Journal of Chem Tech Research</i> , Vol. 11, 10, pp. 343-352. ISSN: 0974-4290.
2.	Patel M. D., Jade, R. K., & Dewangan P. K., (2019). Study of performance of laboratory successive alkalinity producing system (SAPS) with reference to metal removal and alkalinity generation during acid mine drainage treatment. <i>Research Journal of chemistry and environment</i> , Vol. 28 (8) ISSN No. 2278-4527.
3.	Patel M. D., Jade, R. K., & Dewangan P. K., (2019). Study of Metal Removal and Alkalinity Generation by Laboratory Successive Alkalinity Producing System (SAPS) during AMD Treatment. <i>International Journal of Enhanced Research in Science, Technology & Engineering</i> , Vol. 8 (10) ISSN No: 2319-7463.
4.	Patel M. D., Jade, R. K., & Dewangan P. K., (2020). Study and Analysis of a Full-Scale Laboratory Successive Alkalinity Producing System for Iron Removal during the Treatment of Acid Mine Drainage. <i>Journal of Mines, Metals and Fuels</i> . Vol. 68 (1), ISSN: 0022-2755.
5.	Patel M. D., (2020). Successive Alkalinity Producing System Column Study for Alkalinity Generation Capacity with respect to influent AMD Quality. <i>Journal of Indian Chemical Society</i> . Vol. 97, ISSN: 0019-4522.
6.	Patel M. D., Jade, R. K., Dewangan P. K. and Dash A. K. (2020). Effects of ferric/ferrous ratio on performance of successive alkalinity producing system (SAPS) during acid mine drainage treatment. <i>Journal of Indian Chemical Society</i> . Vol. 97, 1152-1156
7.	Patel M. D., (2020). Study of the effects of ferric iron/ferrous iron ratio in influent AMD and hydraulic retention time on alkalinity generation, iron, aluminum and manganese removals by SAPS. <i>Desalination and Water treatment</i> . Vol. 195, 256-266
8.	Patel M D. (2020). Study of microbial contribution in alkalinity generation during treatment of acid mine drainage by successive alkalinity producing system. <i>Indian Journal of Biochemistry & Biophysics</i> , 58, 162-170
9.	Patel M, Jade R K, Dewangan P, Dash A K and Kaushik A (2021) "Removal of iron and sulphate during acid mine drainage treatment using laboratory successive alkalinity producing system and its behavioural relationship" <i>International Journal of Chemical Reactor Engineering</i> , 19

National Journals	
1.	A Quantitative assessment of incubation period of coal in U/G Mines. -Published in the journal of Institute of Engineers and was awarded with GOLD medal (Aug 2001).
2.	Ventilation network analysis of an underground metalliferous mine by computer simulation
3.	Environmental impact assessment of an iron ore mine-A case study. -Published in the Indian Mining and Engineering Journal in Dec 2005.
4.	“An Insight into the status of small mining in India”.- Published in the Indian Mining and Engineering Journal Jan 2006
5.	“Establishment of modified predictor equation for prediction of rock fragmentation”. - published in Mining Engineers journal in March 2006
6.	“Acid mine drainage, its occurrence and control Aspects: An overview”. -Published in the Indian Mining& Engg Journal Published in the Indian Mining& Engg. Journal Feb-2012.

S. No.	Papers in Conference
International Conference	
1	Patel M. D., Rawani A. M., Pradhan M., An overview of the environmental impact assessment methodology and control strategy of noise pollution due to mining”. - Published in International conference of rock mechanics and Geo-environment in mining and allied industries, IT BHU- 2009.
2	Patel M. D., Study of Microbial Contribution in Alkalinity Generation during Treatment of Acid Mine Drainage by Laboratory Successive Alkalinity Producing System. Published in International conference on Recent Advancement in Biotechnology and Biochemistry, NIT Raipur, 2020.
3	Patel M. D., Jade, R. K.,& Dewangan P. K., and Dash A. K., Performance of Successive Alkalinity Producing System (SAPS) during Acid Mine Drainage Treatment, Published in National Conference On Nanotechnology & Environment, NIT Raipur 2020.
National Conference	
1.	Patel M. D., Parate B. R., Recent trends in prevention and control of acid mine drainage” Published in national seminar RPIMI organized by NIT Raipur 2016.
2.	Patel Shikha, Patel M D, Environmental problem due to acid rock drainage from tunneling and construction site : an overview study, National conference on sustainable mining practices, NIT Rourkela, July 2017
3.	Parate B R, Patel M D, Application of UAVs in mining industry- An Overview” Published in national seminar RPIMI organized by NIT Raipur 2016.

7. RESEARCH PROJECTS UNDERTAKEN

S. No	Sponsorin	Title of project	Amount	Period	Role
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	g Agency		of grant		
1	SECL	Geo-mining situations for assessing vulnerability of pot-hole subsidence in SECL mines.	-	2015	Co-investigator

8. SHORT TERM COURSES/WORKSHOPS/SEMINARS ORGANIZED

Organization	Title of the program	Period
NIT Raipur	National seminar RPIMI organized by NIT Raipur 2016 as organizing secretary	19 th , 20 th Feb. 2016

9. SHORT TERM COURSES/SEMINARS CONFERENCES ATTENDED

Organization	Title of the program	Period
NIT Raipur	Prof. M.D.Patel attended a Workshop on Statistical & Analytical research using Mathematica, , NIT Raipur,	19-02-2013

10. MEMBERSHIP OF PROFESSIONAL BODIES

Professional Body	Member no./ID	Remarks
Indian Geotechnical Society	LM3717	
MMGI	9934-LM	