

SELECTIVE DISSEMINATION OF RECENT INFORMATION ON INDIAN GEOLOGY

Vol. 7, No. 2 (April – June, 2018)

A Quarterly Document



*Recent Articles on Indian Geology published in different periodicals
received by Central Library*

Geological Survey of India

2018

SELECTIVE DISSEMINATION OF RECENT INFORMATION ON INDIAN GEOLOGY

Vol. 7, No. 2 (April – June, 2018)

A Quarterly Document



*Recent Articles on Indian Geology published in different periodicals
received by Central Library*

Central Library, Publication Division

Geological Survey of India

Central Headquarters

Kolkata-700016

2018

ARTICLES COLLECTED FROM THE FOLLOWING PERIODICALS

<u>Name of Periodicals</u>	<u>Vol.(No.)</u>	<u>Sl. No. of the Article Entry</u>
<i>Current Science</i>	114(6)	35
	114(7)	36, 40, 61
	114(8)	15, 19, 43
	114(9)	8, 9, 10, 17, 62, 69
	114(10)	49
<i>Indian Mining and Engineering Journal</i>	53(1)	5, 57, 70, 71
	54(1)	2, 33, 64, 65
	54(3)	6, 26, 60
	54(4)	3, 14, 28, 67
	54(5)	4, 32, 47, 58, 72
	54(7)	11, 20, 31, 44, 45
	54(8)	21, 24
	54(9)	12, 25, 30, 41, 46, 52
	54(10)	29, 34, 55
	54(11)	39, 42, 54, 63
	54(12)	16, 56
	55(1)	27, 37, 48
	55(3)	1, 7, 13, 53
	57(1)	68
	57(2)	22, 38, 50, 73
	57(4)	23, 51, 59, 66
<i>Journal of Petrology</i>	58(10)	18

REFERENCES ON INDIAN GEOLOGY

1. AGRAWAL Harshit, SINGH Satyendra K. and SINGH Awanindra P.: **Thick coal seam mining methods: challenges and opportunities.** *Indian Min. Engin. J.* 55(3), 2016, 16-21.
2. ARIF Jamal, RANJAN Abhai Kumar, YADAV Akhilesh Kumar et al.: **Prediction of mine drainage quality in a proposed coal mine.** *Indian Min. Engin. J.* 54(1), 2015, 15-19.
3. ARPUTHARAJ M. E. Michael: **Applications of Geographic Information Systems in Mining.** *Indian Min. Engin. J.* 54(4), 2015, 12-17.
4. BANERJEE Barun, GUPTA Narendra Kr., RAJORIA Sanjay et al.: **Tata steel - West Bokaro Mines towards sustainable development.** *Indian Min. Engin. J.* 54(5), 2015, 21-22.
5. BOSE Tapan, JAIN A. K. and ROY D.: **An Overview of the Sagmania Limestone Mine of Satna Cement Works & Energy Saving Initiatives.** *Indian Min. Engin. J.* 53(1), 2014, 18-21.
6. CHATTERJEE Debasis, RAVINDRA G. S. and PIPLATKAR Pradeep P.: **Assessment and monitoring of airborne respirable dust studies in the limestone mines of Andhra Pradesh & Telangana - a case study.** *Indian Min. Engin. J.* 54(3), 2015, 11-17.
7. CHATTERJEE Debasis, RAVINDRA G. S. and Viswanatha S.: **A Comparative study of Pre and Post monsoon airborne respirable dust in the limestone mine of Andhra Pradesh & Telengana.** *Indian Min. Engin. J.* 55(3), 2016, 22-28.
8. CHATTERJEE Saurodeep, MONDAL Supriya, ** BHATTACHARYA Amitava et al.: **Magneto-mineralogical characterization and manifestations of magnetic fabrics from the gneissic rocks and associated intrusive bodies in and around Bankura and Purulia districts, West Bengal, India.** *Curr. Sci.* 114(9), 2018, 1894-1902.

9. CHATURVEDI Rajiv Kumar: **Will India's coal power plans pose a threat to limiting global warming to safe levels?** *Curr. Sci.* 114(9), 2018, 1812-1814.
10. CHOUBISA Shanti Lal: **Fluoride distribution in drinking groundwater in Rajasthan, India.** *Curr. Sci.* 114(9), 2018, 1851-1857.
11. CHOWDHURY A. K., SAMANTA S. K., CHATTOPADHYAY D. P. et al.: **Austempered Ductile Iron (ADI) and its application in Mining sector.** *Indian Min. Engin. J.* 54(7), 2015, 13-19.
12. CHOWDHURY Mitrajit: **Energy conservation process in Mahanadi Coalfields Limited, Sambalpur.** *Indian Min. Engin. J.* 54(9), 2015, 22-28.
13. D. KUMAR and CHANDAR K. Ram: **Application of wireless sensor networks in slope stability monitoring - a critical review.** *Indian Min. Engin. J.* 55(3), 2016, 29-32.
14. DAS Prasanta, VERMA Abhishek, SARKAR Pranabananda et al. : **A New geological insights of Turamdih and its surrounding area, Singhbhum Shear Zone, Jharkhand, India.** *Indian Min. Engin. J.* 54(4), 2015, 26-31.
15. DHANYA J. and RAGHUKANTH S. T. G.: **Ground motion simulation for earthquakes in Sumatran region.** *Curr. Sci.* 114(8), 2018, 1709-1720.
16. DHAWAN Gopal and PATNI B. D.: **Stability of spillway cutslope at Dhauliganga H. E. Project.** *Indian Min. Engin. J.* 54(12), 2015, 25-31.
17. EDWARD J. K. Patterson, MATHEWS G., RAJ K. Dhiraviya et al.: **Coral mortality in the Gulf of Mannar, southeastern India, due to bleaching caused by elevated sea temperature in 2016.** *Curr. Sci.* 114(9), 2018, 1967-1972.
18. GANGULY Proloy, BOSE Sankar, DAS Kaushik et al. : **Origin of spinel + quartz assemblage in a Si-undersaturated ultrahigh-temperature aluminous granulite and its implication for the P-T- fluid history of the Phulbani Domain, Eastern Ghats Belt, India.** *J. Petrol.* 58(10), 2017, 1941-1974.
19. GUHA Arindam; GHOSH Biswajit, CHAUDHURY Sukanya: **Spectral response of few important textural variants of chromite and its potential in estimating**

- relative grades of chromite of Nuggihalli Schist Belt, India. *Curr. Sci.* 114(8), 2018, 1721-1731.
20. GUPTA Barun Shankar: **Sustainable use of land resources -where do we stand?** *Indian Min. Engin. J.* 54(7), 2015, 20-24.
21. HIMANSHU V. K. and KUSHWAHA A.: **Numerical modeling based design of stopping parameters.** *Indian Min. Engin. J.* 54(8), 2015, 8-14.
22. ISLAVATH Sreenivasa Rao: **Stability analysis of underground coal mine pillars using numerical modelling techniques.** *Indian Min. Engin. J.* 57(2), 2018, 24-28.
23. JAIN P. K., RAY A. K., SHARMA S. K. et al.: **An overview of Indian Mining Legislative Reform.** *Indian Min. Engin. J.* 57(4), 2018, 16-25.
24. JAYANTHU S.: **Application of SMR for design of stable slopes in Indian mines - a case studies.** *Indian Min. Engin. J.* 54(8), 2015, 15-23.
25. JAYNATHU S., KARTHIK Guntha and MANEKAR G.: **Slope monitoring by TDR – a low cost system.** *Indian Min. Engin. J.* 54(9), 2015, 29-32.
26. KAMARAJ R., GUNALAN N., KRISHNAN M. et al.: **Role of remote sensing and GIS in finding suitable artificial recharge zones in and around Neyveli Basin Cuddalore district, Tamilnadu, India.** *Indian Min. Engin. J.* 54(3), 2015, 18-24.
27. KARKAR H. P. and RATHORE S. S.: **Evaluation & assessment of blast induced ground vibration and flyrock in Iron Ore Mine.** *Indian Min. Engin. J.* 55(1), 2016, 8-15.
28. KUMAR Awadhesh : **Mine surveyor playing vital role in the mining industry.** *Indian Min. Engin. J.* 54(4), 2015, 7-11.
29. KUMAR Manoj and SANGEETA: **Carbon footprint assessment model for Opencast Coal Mine.** *Indian Min. Engin. J.* 54(10), 2015, 27-32.
30. KUMAR Sanjeev and ROY Ashok: **Energy saving mechanisms in the mining industry.** *Indian Min. Engin. J.* 54(9), 2015, 33-36.
31. KUMAR Vimal, SIBAL S. J. and RAO B. Bhaskara: **Fly ash a boon for mining sector.** *Indian Min. Engin. J.* 54(7), 2015, 25-32.

32. LAL R. B., SINGH Sonu, SATYA et al.: **Environmental policies and guidelines to address the impact of mining activities in India.** *Indian Min. Engin. J.* 54(5), 2015, 8-17.
33. LOUI John Porathur and ROY Pijush Pal: **Extraction design of locked-up coal by highwall mining in India.** *Indian Min. Engin. J.* 54(1), 2015, 24-31
34. MAHANANDA Alok Ranjan and PAL B. K.: **Application of foam technology to avoid occurrences of spontaneous heating in Indian Coal Mines.** *Indian Min. Engin. J.* 54(10), 2015, 9-11.
35. MARTHA Tapas R., VAMSEE A. Mohan, TRIPATHI Vikas et al.: **Detection of coastal landforms in a deltaic area using a multi-scale object-based classification method.** *Curr. Sci.* 114(6), 2018, 1338-1345.
36. MATHUR S. C., SHEKHAWAT N. S., NAMA S. L. et al.: **The wood boring trace fossil Asthenopodichnium from Palaeocene sediments of the Barmer Hill Formation, western Rajasthan, India.** *Curr. Sci.* 114(7), 2018, 1544-1548.
37. Md. TANWEER, KASHYAP S. K. and PARHI D. R.: **Optimization of setting load in hydraulic props using fuzzy inference system – a case study of Vakilpalli Mine (SCCL).** *Indian Min. Engin. J.* 55(1), 2016, 16-21.
38. MISHRA M. D., SINGH R. K., MISHRA Vivek et al.: **Eliminating the risk in evacuation of coal in UG mine- a case study of SMP.** *Indian Min. Engin. J.* 57(2), 2018, 14-19.
39. MOGER Ganapathi D., MURTHY Ch. S. N. and R. Y. UDAYKUMAR: **Micro controller based drive haulage system and its application for energy conservation in underground coal mines.** *Indian Min. Engin. J.* 54(11), 2015, 27-32.
40. MOHABEY Dhananjay M., SAMANT Bandana, KUMAR Deepesh et al.: **Record of charcoal from early Maastrichtian lake sediments of Bagh Valley of Madhya Pradesh: palaeofire proxy.** *Curr. Sci.* 114(7), 2018, 1540-1544.

41. MURLIDHAR Bhatwadekar Ramesh, EDY Tonnizam Mohamad and NIKAM Sanjay: **Use of recycled concrete and mine waste, M-sand as building material for energy savings in India.** *Indian Min. Engin. J.* 54(9), 2015, 37-41.
42. MURLIDHAR Bhatwadekar Ramesh, MOHD Nur Asmawishma Bin Alel and EDY Tonnizam Mohamad : **Unmanned aerial vehicle (UAV) application in geology and mining.** *Indian Min. Engin. J.* 54(11), 2015, 17-23.
43. NAGABHUSHANAM B., RAJU S. Durai, MUNDRA K. L. et al. : **LREE- Nb mineralization in the south western part of Ambadongar carbonatite complex, Chhota Udepur district, Gujarat, India.** *Curr. Sci.* 114(8), 2018, 1608-1610.
44. NAGPAL Soumitro and POPPLEWELL Graham: **Designing India's first modern diamond recovery plant.** *Indian Min. Engin. J.* 54(7), 2015, 11-12.
45. NIMAJE D. S. and DASH Abinash: **Development of software to determine the "factor of safety" of Bord and Pillar working as per Tributary area approach.** *Indian Min. Engin. J.* 54(7), 2015, 7-10.
46. PADHI B. R. K. and MISHRA Rakesh: **Enrgy conservation and sustainable development at Baphlimali Bauxite Mine of M/s Utkal Alumina International Ltd.: a journey towards excellence.** *Indian Min. Engin. J.* 54(9), 2015, 15-17.
47. PANDEY B. P.: **Present crisis in Iron Ore Mining - special reference to Karnataka.** *Indian Min. Engin. J.* 54(5), 2015, 29-31.
48. PATHAK Khanindra and RAO K. U. M.: **Dump stability of chromite mines: a case study.** *Indian Min. Engin. J.* 55(1), 2016, 22-31.
49. PAUL Avinash, MURTHY Vemavarapu Mallika Sita Ramachandra, PRAKASH Amar et al.: **Estimation of rock load in development workings of underground coal mines - a modified RMR approach.** *Curr. Sci.* 114(10), 2018, 2167-2174.
50. PRASAD Kuldeep: **Underground coal mining in India with special reference to SECL.** *Indian Min. Engin. J.* 57(2), 2018, 9-13.

51. RAVI B. P., GOPALKRISHNA S. J., KUMAR P. Sharath et al.: **Processing and recycling of non renewable iron-steel, iron ore beneficiation plants and iron ore mine solid wastes for sustainable development.** *Indian Min. Engin. J.* 57(4), 2018, 49-57.
52. REDDY P. Jani: **Energy conservation measures in Opencast Limestone Mines.** *Indian Min. Engin. J.* 54(9), 2015, 18-21.
53. ROY Soumyo: **Make in India initiatives in mining.** *Indian Min. Engin. J.* 55(3), 2016, 13-15.
54. RYNJAH Ibanrapsbun : **Nuclear energy for sustainable development.** *Indian Min. Engin. J.* 54(11), 2015, 24-26.
55. SAHU Atma Ram and NAIK Hrushikesh : **Economical operation & estimation of operating cost of draglines in open cast mines.** *Indian Min. Engin. J.* 54(10), 2015, 15-26.
56. SAHU Omkar: **In-Situ leaching of uranium.** *Indian Min. Engin. J.* 54(12), 2015, 15-24.
57. SAHU S. P., PRAKASH A. and SINGH K. B.: **Need of mine subsidence compensation act and pertinent funding source in India.** *Indian Min. Engin. J.* 53(1), 2014, 22-31.
58. SARANGI S. K.: **Sustainable mining initiatives - necessity for mineral development.** *Indian Min. Engin. J.* 54(5), 2015, 18-20.
59. SARASWAT Shubham, SONI Naman, TRIPATHI Kuldeep Narayan et al.: **Sustainable development in mineral sector.** *Indian Min. Engin. J.* 57(4), 2018, 58-59.
60. SARKAR B. C.: **Geology - oriented geostatistics for improved orebody modelling and grade control.** *Indian Min. Engin. J.* 54(3), 2015, 25-31.
61. SARKAR S., PANDIT Koushik, SHARMA Mahesh et al.: **Risk assessment and stability analysis of a recent landslide at Vishnuprayag on the Rishikesh-Badrinath highway, Uttarakhand, India.** *Curr. Sci.* 114(7), 2018, 1527-1533.

62. SASTRY Rambhatla G., CHAHAR Sumedha and SINGH Mahendra: **Multiple regression analysis of geoelectic imaging and geotechnical site investigation test results.** *Curr. Sci.* 114(9), 2018, 1946-1952.
63. SAURABH Shashank, PASWAN R. K., Md. SARIM et al.: **Blast design parameters and fragmentation control using digital image technique - a case study.** *Indian Min. Engin. J.* 54(11), 2015, 8-16.
64. SENTHILKUMAR P. A. and NANDAKUMAR M.: **Working of deep seated coal/lignite – a technical appraisal for Indian Coal Reserve.** *Indian Min. Engin. J.* 54(1), 2015, 6-11.
65. SHARMA A. K.: **Relation between ash fusion temperature and chemical composition of some Chhattisgarh Coals.** *Indian Min. Engin. J.* 54(1), 2015, 12-14.
66. SINGH Gurdeep: **Environmental issues with best management practices in energy and mineral production.** *Indian Min. Engin. J.* 57(4), 2018, 26-35.
67. SINGH Gurdeep: **Sustainable mining in Goa, India.** *Indian Min. Engin. J.* 54(4), 2015, 18-25.
68. SINGHA Prasun, BHATIA Karan, RAI Alok et al.: **Implementation of Flexigel™ bulk system at an Open Cut Coal Mine.** *Indian Min. Engin. J.* 57(1), 2018, 42-47
69. SOMASUNDARAM Sripoorna, ABRAHAM Jeeva Susan, MAURYA Swati et al.: **Cellular and molecular basis of heavy metal-induced stress in ciliates.** *Curr. Sci.* 114(9), 2018, 1858-1865.
70. TEWARI S. K.: **Energy conservation initiatives adopted in mines & plant.** *Indian Min. Engin. J.* 53(1), 2014, 16-17.
71. THOTE N. R. and RAMANA Ch. Venkat : **Opencast coal mine blasting vis-a-vis slope stability : an appraisal.** *Indian Min. Engin. J.* 53(1), 2014, 8-15.
72. TRIVEDI Ratnesh, KHATRI Deepak K. and SINGH T. N.: **Prediction of blast-induced flyrocks in opencast mines using principal component analysis and multivariate regression analysis.** *Indian Min. Engin. J.* 54(5), 2015, 23-28.

73. UPADHYAY V. P.; SHAHIDA P. Quazi, TYNSONG H.:**Environmental management in cement and limestone mining projects industries of Meghalaya.**
Indian Min. Engin. J. 57(2), 2018, 31-33.

**** Articles are written by GSI Officers**

Compiled by

Dr. Gouri Bandyopadhyay, LIA

Under the Guidance of

**Ms. Joohi Naz, Geologist
Ms. Mitali Paul Chowdhuri, ALIO**

Overall Supervision of

Dr. Susmita Gupta, Director