

**DALMIA INSTITUTE OF SCIENTIFIC
AND INDUSTRIAL RESEARCH
RAJGANGPUR - 770017**



LIST OF TECHNICAL PAPER PUBLISHED

LIST OF PUBLICATION (Up to October 2010)

1. Determination of CaO, MgO, SiO₂ and Fe₂O₃ in silo, kiln-feed slurry and clinker samples

By S.K.Mahapatra and A.K.Tripathy
Presented in the Annual General Meeting of the Indian Institute of Chemical Engineers – 1974, Rourkela.
2. Reaction of Bis Diethyl – Dithiocarbamate Zinc (II) with some substituted pyridines.

By D.L.N.Sharma
Current Science Journal, Vol. 43, 1974
3. Raw material potential of Orissa for putting up ceramic industries.

By G.Goswami and A.K.Tripathy
Presented in a symposium of development of chemical and allied Industries in Orissa, organized by the Institute on 29.12.74 at Rourkela.
4. Mechanism of destruction of Chrome-Magnesite bricks during service in a high temperature tunnel kiln.

By J.D.Panda and A.K.Tripathy
Transaction of the Indian Ceramic Society July – August, 1975.
5. The task of feeding feasibility data to mineral based Industries in Orissa.

By G.Gowsami
Presented in the seminar on “Role of Engineers in Industrial Development Organised in the Regional Engineering College, Rourkela on 22nd August, 1976
6. The problem of Lanjiberna limestone in the manufacture of cement – magnesia

By R.N.Patra
The Indian Mining and Engineering Journal, Vol. XIV No. 9, 1977
7. High Temperature Torsional Creep test for refractories.

By J.D.Panda and A.K.Tripathy.
Transaction of Indian Ceramic Society Vol. 34(2), 1977

8. The effect of cement slurry composition on the mineralogy of the refractory linings of the kiln.

By J.D.Panda

Presented in the Training Course on “Mineralogical Control in Cement making” organized by the cement Research Institute of India, New Delhi, October 1977

9. The Khasi Sillimanite in retrospect to, High Alumina Refractories.

By G.Goswami,

Seminar proceedings: Raw Materials for Glass, Ceramic and Refractory Industries, Shilong, 1977

10. An Approach to the proper utilization of raw materials in ceramic and associated industries in India.

By J.D.Panda

Key paper in the All India Seminar on raw materials for glass ceramic and refractory organized by the Geological Survey of India at Shillong in October, 7 – 9, 1977.

11. Application of Colorimetric Methods for the Analysis of Refractories.

By J.D.Panda

Presented in the Training Course in Application of Colorimetric methods for rapid chemical analysis and quality control in cement plant organized by Cement Research Institute of India, New Delhi, 31st October – 4th November 1977

12. Choice of refractories for burning zone lining of Cement Kilns Basic Vs. High Alumina.

By J.D.Panda, G.Goswami and N.Sahoo

Proceedings of the Seminar on Refractories for Non-ferrous Industries, Calcutta 1979

13. Refractory Lining Process for Cement Rotary Kiln.

By J.D.Panda

Journal of Indian Refractory Maker’s Association, Vol. 12 (3), 1979

14. Pollution in Cement Industry.

By G.Goswami
Presented in the winter school on Environmental Problems in Industrial areas sponsored by the Indian Society of Technical Education at Rourkela, December 1979
15. An Investigation on the performance of High Alumina Refractories in the burning zone linings of two kilns.

By G.Goswami, J.D.Panda and N.Sahoo
World Cement Technology Vol. 10 (10), 1979
16. By-Product Gypsum as a substitute for natural gypsum in cement manufacture.

By G.Goswami, S.K.Mohanty and J.D.Panda
Proceedings of the Minerax, 80 January 1980
17. Selection of raw materials for manufacture of high hot strength direct bonded basic refractories for steel melting furnaces.

By N.Sahoo, G.Goswami and J.D.Panda
Proceeding of the Seminar on "Refractories for Steel Industries in 1980", Calcutta, 1980
18. An Investigation on the behavior of Mag-Chrome bricks in a cement rotary kiln.

By G.Goswami, N.Sahoo and J.D.Panda
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19. Refractory practices and fuel economy in cement manufacture.

By J.D.Panda
Presented in the Technological Talent Development course, organized by Cement Research Institute of India, New Delhi, November – 1980
20. Methods of testing refractory materials

By G.Goswami
Presented in the ISTE Winter School on Mechanical Testing of Engineering materials in Regional Engineering College, Rourkela, December – 1980

21. Refractory Types and their service life in the sintering zone of cement rotary kilns.

By J.D.Panda
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22. Upgrading of fine chromite from Vagde, Ratnagiri area, Maharashtra.

By G.Goswami and J.D.Panda
Proceedings International Symposium in Recent advances in Beneficiation and agglomeration of minerals, Bhubaneswar – 1981
23. Utilization of cement kiln dust in cement manufacture.

By S.K.Mohanty, G.Goswami and J.D.Panda
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24. A mineralogical study of titanium bearing ore minerals from Bhandara area.

By R.C.Behera, G.Goswami and A.K.Mohanty
Transactions of the Indian Institute of Metals, Vol. 34(1), 1981
25. Refractory raw materials in India – Present status and future outlook.

By J.D.Panda
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26. Selection of chromites for the production of high hot strength basic refractories.

By N.Sahoo, G.Goswami and J.D.Panda
Presented in Seminar on Basic refractories for steel making, NML, Jamshedpur, January 1982
27. Refractory Industry in Orissa.

By J.D.Panda
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28. Inter-disciplinary Research.

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29. Industrial wastes Utilization in Cement Industry.

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30. Hydration study of cement kiln dust blended Portland cement by DTA.

By G.Goswami, S.K.Mohanty and J.D.Panda
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31. Planned Utilization of raw materials for basic refractories.

By J.D.Panda
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32. Scope for manufacture of cement in small sector.

By G.Goswami
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33. Effective Utilization of waste refractory bricks available from Rourkela Steel Plant.

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34. Development of high temperature Insulating Refractories from Bubbled Alumina.

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35. Some aspects of high alumina refractories for application in Electric-arc Furnace roofs.

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36. Selection, Application and Installation of refractory castables and other monolithic refractories in cement rotary kiln.

By J.D.Panda
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37. Basic Refractories for cement rotary kilns.

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39. DTA/TG in characterizing Bentonite for its utilization in refractories.

By G.Goswami, B.Nayak and J.D.Panda
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40. A Study on the reactivity of limestone,

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41. Alumino-silicate and high alumina refractories for use in cement kiln system.

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42. Development of super refractories from indigenous raw materials for applications in Fertilizer industries.

By J.D.Panda, N.Sahoo and S.Agarwal
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43. Differences in Autoclave Expansions of plant and laboratory ground cements.

By G.Goswami, S.K.Mohanty and J.D.Panda
Cement and Concrete Research, Vol. 14, No. 3, 1984

44. Blended Cement with an unconventional slag.

By S.K.Mohanty, G.Goswami and J.D.Panda
8th Seminar on Cement Industry, Hyderabad, 1984 V. 13.1

45. A study on petrographic characteristics of quartzites and conversion of silica phases.

By B.Nayak and G.Goswami
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46. A study on Rourkela Slag.

By S.K.Mohanty, G.Goswami and J.D.Panda
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47. Carbon containing basic refractories.

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50. Utilization of slag from different metallurgical Industries.

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51. Application of microscopy, XRD and DTA in study of cement raw mix burnability.

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52. Selection of refractory material for kiln furniture.

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53. Cements : Some basic aspects

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64. Thermo-mechanical Properties of refractories from natural dead burnt magnesites.
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65. Mullite Refractories for high temperature tunnel kiln.

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69. Thermal analysis of spurrite from Rotary Cement Kiln.

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71. A study of the effect of Microstructures and other physical properties of slags on their hydraulic activity.

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75. Silica bricks for high capacity tall coke ovens.
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89. Evaluation of chromite for refractory manufacturing process.
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- 111 Development and manufacture of International standard silica bricks for large capacity blast furnace stove.
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