

Recipient of Best paper Award In Second International conference on Advances in Engineering and Technology(ICAET – 2012)

Publications:

Award/Prize/Certificate etc. won by the applicant. Recipient of UPR PATNAYAK MEMORIAL AWARD for Low cost binder using Industrial By –Product for economical Housing, during the 55th Annual Technical Session held on 1st March, 2014.

Recipient of Best paper Award In Second International conference on Advances in Engineering and Technology(ICAET – 2012)

Publications: International Journal: ·

1. Kanthe, V., Deo S. V. and Murmu, M. (2018) “Effect of fly ash and rice husk ash on strength and durability of binary and ternary blend cement mortar ” *Asian Journal of Civil Engineering Building and Housing* ISSN 1563-0854 Volume 19 Number 8 Asian J Civ Eng (2018) 19:963-970 DOI 10.1007/s42107-018-0076-6
2. Kanthe, V., Deo S. V. and Murmu, M. (2018), “Combined use of fly ash and rice husk ash in concrete to improve its properties”, Accepted on 09-03-2018 in *International Journal of Engineering (Scopus Indexed)*.
3. Kunamineni, V, Murmu, M. (2018), “Effect of calcium lactate on compressive strength and self-healing of cracks in microbial concrete”, Accepted on 23-02-2018 in *Frontieries of civil and structural engineering (SCI Indexed)*.
4. Kunamineni, V, Murmu, M. and Deo, S. V. (2017), “Bacteria based self healing concrete – A review” *Construction and Building materials (SCI Indexed)*, 152, 1008–1014.
5. SP Singh, M Murmu ,Effects of curing temperature on strength of lime-activated slag cement *International Journal of Civil Engineering* 15 (4), 575-584
6. M. Murmu and S.P. Singh, Strength Characteristics of Lime Activated Slag Cement, *Advances in Cement Research*, 2015,27(1), 268-77.
7. M. Murmu and S.P. Singh, Influence of mineral admixtures on strength and hydration products of lime-activated slag cement, *Advances in Cement Research*, 2014, 26(1), 1–10.
8. M. Murmu and S.P. Singh, Hydration Products, Morphology and Microstructure of Activated Slag Cement, *International Journal of Concrete Structures and Materials*, 2014, 8(1) , 61-68.
9. M. Murmu and S.P. Singh, Some Studies on Strength and Hydration of Cold Process Cement, *International Journal of Advances in Management, Technology & Engineering Sciences*, ISSN:2249-7455 Vol.1 Issue 6(VII) 2012, 84-88.

National Journal: ·

1. Govardhan, Deepanshu Mandhata, Meena Murmu, Mohit Sharma, Development of a Program for the Design of Steel Structure in Visual Basic, Journal of Structural Engineering and Management, 2014,1(2),11-16.

International Conference ·

1. K.Vijay, Meena Murmu, “Comparative study on effect of basalt and glass fiber on workability and compressive strength of microbial concrete” International conference on civil and structural engineering., pp 52-56, 2017.
2. Sonal, B, Murmu, M. and Deo, S. V. “A Detailed Review on Alkali-Activated Slag (AAS) and Fly Ash Based Concrete ” International conference on civil and structural engineering., pp 22-28, 2017.
3. Kanthe, V., Deo S. V. and Murmu, M. “ (2018), Review on the use of Industrial and Agricultural by-product for making Sustainable Concrete”, Proceedings of ASCE India conference, 12-14 December 2017 .
4. M. Murmu, M.K. Verma. (2017), “Effect of WMD and BLA as mineral Admixture on workability and strength of concrete”, International Conference on Energy, Environment and Economics, (ICEEE 2017) Edinburgh, 11th to 13th December, 2017, pp-76-82.
5. M.Murmu, Govardhan Bhat and S.Eswary “Partial Replacement of GGBS in Concrete for Prevention of Natural Resources”, ICCESE 2015 : International Conference on Civil, Environmental and Structural Engineering to be held in Kuala Lumpur, Malaysia during February, 12-13, 2015.
6. · Satya Eswari, J. Sekharbabu, Meena Murmu, Govardhan Bhat , “Modeling and Optimizing of sinker electric discharge machine process parameters on AISI 4140 alloy steel by Central Composite Rotatable Design Method”, ICCESE 2015 : International Conference on Civil, Environmental and Structural Engineering to be held in Kuala Lumpur, Malaysia during February, 12-13, 2015.
7. Meena Murmu, Govardhan Bhat, Narendra Singh Chouhan, Ramakant Patel and Ganesh Kumar (2014), “Effect on Strength and Hydration products of Concrete using Mineral Admixtures”, International Conference on Sustainable Civil Infrastructure (ICSCI 2014), 17-18th October 2014, IIT Hyderabad, India.
8. M. Murmu and S.P. Singh, Effect of Mineral Admixture on Strength of Alkali Activated Slag Cement, 1st Annual International Conference on Architecture and Civil Engineering 18-19th March 2013. Singapore.
9. M. Murmu and S.P. Singh, Hydration Products in Alkali Activated Slag Cement Added With Mineral Admixtures, International Conference on Advanced Materials for Energy Efficient Building Materials, AME2B-2013. 13-15thFebruray 203 New Delhi.
10. M. Murmu and S.P. Singh, Strength Characteristics of Cold Process Cement with and without Admixtures, International Conference on Advanced Materials for Energy Efficient Building Materials, AME2B-2013. 13-15thFebruray 203 New Delhi.

11. M. Murmu and S.P. Singh, Hydration Mechanism of Cold Process Cement, International Conference on Sustainability Challenges and Advances in Concrete Technology SCACT 2012.pp441-447.2-5th May 2012 Coimbatore.
 12. M. Murmu and S.P. Singh, Effect of Accelerators on Strength and Hydration Products of Cold Process Cement,2nd International Conference on Advances in Engineering and Technology (ICAET2012)ISBN 978-1-4675-2245-8 © 2012.28- 29th March 2012 Nagpattinum.
 13. M. Murmu and S.P. Singh, Some studies on physical and mechanical properties of cold process cement, RITS ICAEM-2012: RITS International Conference on Advancements in Engineering and Technology. 28-29thFebrury 2012 Hydrabad.
 14. M. Murmu, and A. Sharan, Strength Characteristics of Cold Process cement, Holcim Foundation for Sustainable Construction 2011.
 15. S.P. Singh and M. Murmu, Eco-friendly Concrete using by-products of Steel Industry, International Congress of Environmental Research (ICER-10),16th-18th September 2010 Mauritius. National Conference and Workshop:
 16. S.P. Singh, M. Murmu, and A. Sharan, Study on Strength Characteristics of fly ash Pozzolanic Cement, NATIONAL WORKSHOP “UTILIZATION OF FLY ASH” on June, 10-11, 2011, Surat. ·
 17. S.P. Singh, A. Sharan, and M. Murmu, Compacted Pond ash as a Highway Construction Material NATIONAL WORKSHOP “UTILIZATION OF FLY ASH” on June, 10-11, 2011, Surat.
 18. A. Patel, S.P. Singh, and M. Murmu, Environmental friendly concrete from Industrial Wastes, National Conference on advances in Environmental Engineering (AEE-09) 2009, 14th-16th November, Rourkela.
- S.P. Singh, A. Patel, and M. Murmu, Strength Characteristics Of Steel Slag Hydrated Matrix, National Conference on Civil Engineering ConferenceInnovations Limits (CEC-09),2009, Septmber2009, Hamirpur.

Google scholar

Cited by

	All	Since 2013
<u>Citations</u>	27	26
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i10-index	1	1

Life Membership

INSDAG (Professional membership)

Indian Concrete Institute

Indian Building Congress

American Concrete Institute

Extra-Curricular Activities:

Institute level:

Member of Anti ragging committee

Member of Face lifting committee (Hostel)

Eclectika committee

ADMINISTRATIVE EXPERIENCE:

Worked as a member of Panel for interview for post of Junior Engineer, Staff Selection Commission, Govt. of India.

Worked as a member of selection committee for post of Faculty in Chemistry Engineering Department.

Worked as an Analyzer of the question paper for Junior Engineer Recruitment

Test Result conducted by Chhattisgarh Professional Examination Board Raipur (CGVYAPAM).

GUEST LECTURE DELIVERED:

Delivered a lecture on “Latest Mix Design” in five days short term hands on training programme “Testing Methods in Civil Engineering Construction” under TEQIP-II at Civil Engineering Department, National Institute of Technology Raipur on 17.11.2015.

Delivered a lecture on “Industrial Building” one days workshop on training programme Industrial Building and Application of Composite Materials Civil Engineering , under TEQIP-III at Civil Engineering Department, Chattisgarh Swami Vivekanand Technical Bhilai (C.G.) on 26.03.2018.

Delivered a lecture on “Cell Filled concrete and Fiber reinforced Concrete” Five days workshop on Construction of Low Volume Roads on Soft Subgrade Soil Improved by Locally Available Marginal Materials , (Under Sponsored Research Project funded by HSMI, HUDCO, New Delhi) at Civil Engineering Department, National Institute of Technology Raipur on 27.09.2018.

SEMINAR / WORKSHOP / CONFERENCE / CONVENTION ATTENDED

Two Week ISTE STTP on Introduction to Structural Engineering, under National Mission on Education through Information and Communication Technology by Page 2 of 2 IIT Kharagpur, 4-9 January, 2016.

One week on Advanced Data Analysis management by IIT Delhi, 14-18 December 2015.

Two day Workshop on “Water Resources in developing countries: Planning and management” “27-28 August 2015 at NIT Raipur

Two day workshop on “Collection Development of E-books in Libraries”, organized by Central Library, NIT, Raipur during 14th- 15th November 2014.

Workshop on "Academic Ethics and IPR" on 4th and 5th April 2014, Organized by National Institute of Technology Raipur and Chhattisgarh Council of Science and Technology, held at National Institute of Technology Raipur..

One week National Workshop on “Visual Modflow” Organized by Department of Civil Engineering, National Institute of Technology Raipur at NIT Raipur from 18-22nd November 2013.

SHORT TERM COURSE / SEMINAR / WORKSHOP ORGANISED:

Organized five days short term hands on training programme “Testing Methods in Civil Engineering Construction” under TEQIP-II at Civil Engineering Department, National Institute of Technology Raipur from 16th November to 20th November 2015 as organizing member.

Organized two days workshop “Water Resources in Developing Countries: Planning and Management under TEQIP-II at Civil Engineering Department, National Institute of Technology Raipur on 27th and 28th August 2015 as organizing member.

Organized one day workshop under research project “Construction of Low Volume Roads on Soft Subgrade Soil Improved by Locally Available Marginal Materials” funded by Human Settlement Management Institute (HSMI), HUDCO New Delhi at Civil Engineering Department, National Institute of Technology Raipur in association with HSMI, HUDCO New Delhi on 14th August 2015 as organizing member.

Organized one day workshop “Research Schemes in DST & Recent Advances in Civil & Transportation Engineering” under TEQIP-II at Civil Engineering Department, National Institute of Technology Raipur on 1st August 2015 as organizing member.

Ph. D Guidance : Ongoing Six