**SAGAR SARANGI (***Research Scholar***)**

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**Email:** sagarsarangicit@gmail.com

**Address:** Department of Civil and Environmental Engineering, BIT Mesra, Ranchi, Jharkhand, India-835215

**Research Area:**  Concrete Technology, Waste management, Fiber-reinforced concrete, composite material, material science.

**Educational Qualification:**

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| --- | --- | --- | --- |
| **Qualification** | **Board/University** | **College/Institute** | **Year of Passing** |
| Ph.D. (Civil) | BIT, Mesra,Ranchi, Jharkhand | BIT, Mesra,Ranchi, Jharkhand | Pursuing |
| Diploma in Disaster Management (Distance) | Odisha State Open University, Sambalpur, Odisha | Rourkela Govt. (Auto.) College, Rourkela, Odisha | 2018 |
| M.E. (Civil) | BIT, Mesra,Ranchi, Jharkhand | BIT, Mesra,Ranchi, Jharkhand | 2016 |
| B.Tech(Civil) | CUTM, Odisha | Centurion Institute of Technology(CIT), Bhubaneswar, Odisha | 2013 |

**Reviewer:**

* InSc- International Journal of Civil Engineering
* Current Journal of Applied Science and Technology (ISSN: 2457-1024)
* Journal of Emerging Technology and Innovative Research(ISSN 2349-5162)

**Achievement:**

* **Junior Research Fellow**- Coal India Limited R&D Project from 2018 to till date.
* **Research Excellence Award**-2020 awarded by “Institute of Scholars” for “Effect of FRC Due to Saline Water and Urea Solution.”

**Membership:**

* Associate Member in “***The Institution of Engineers (India), Kolkata, India****”* under Civil Engineering division.
* Life member in “ ***Indian Building Congress***,” New Delhi
* Professional Member in “ ***Institute of Scholars***,”

**Work Experience:**

* **Technical Supervisor** in Integrated Tribal Development Agency (ITDA), Bonai

From - 1st August 2013 to 31st July 2014.

* **Assistant Professor** in Dept. of Civil Engg, Modern Engineering and Management Science (MEMS), Balasore, Odisha. From 1st July 2016 to 10th March 2017.
* **Assistant Professor** in Dept. of Civil Engg, Jharkhand Rai University, Ranchi, Jharkhand. From 16th March 2017 to 10th July 2018.
* **Junior Research Fellow** in the Dept. of Civil & Env. Engg., BIT Mesra in CIL R&D Project entitled “ *Development of Guidelines for the design of all tiers of shovel dumper dump above dragline dump and delineation of phreatic surface within the dragline dump, throughout the year and validation study of two dragline mines of Coal India Limited*” from 19th July 2018 to till date.

**Academic Project:**

* B. Tech Major Project (April – 2013) - *“Design and Analysis of Flyover Bridge*.”

 Guide: Prof. Ramakanta Panigrahi and Subhashree Behera, Asst. Professor.

* M.E. Project (May-2016) Project Title: - *“Study the mechanical and structural characteristic of hybrid fiber reinforced concrete.”* Guide: Dr. (Prof.) Anand Kumar Sinha.
* Diploma Project (Dec-2018) – “A case study on Bihar flood due to Kosi river basin using Remote sensing & GIS.” Guide: Ms. Prasanti Kumari Mahanti, Asst. Professor.

**Publication:**

1. Sarangi S, Sinha AK, “Mechanical Properties of Hybrid Fiber Reinforced concrete” Indian Journal of Science and Technology (2016), Vol 9(30), Scimago ‘H’ Index, [**SCOPUS**](https://www.elsevier.com/solutions/scopus)Indexing, IF 0.25, DOI:10.17485/ijst/2016/v9i30/99234, August 2016
2. Sagar Sarangi and Siddharth, “Mechanical & Structural characteristic of hybrid FRC” International Journal of Advanced Research (2017), 5 (2). 1425-1430 (ISSN 2320-5407), Indexing- **UGC APPROVED JOURNAL NO: 47231,** [THOMSON REUTERS; IF 6.896, Researcher ID: M-6054-2017](http://www.researcherid.com/rid/M-6054-2017) DOI: 10.21474/IJAR01/3295
3. Arati Parida, Sagar Sarangi and B. Jayashree, “Study the modulus elasticity of HFRC” *Journal of Industrial Pollution Control (2017), Vol 33(s2)( pp 1209-1213*,ISSN (0970-2083)
4. Sarangi S, Sinha AK, Singh BK, & Mohan D, “Effect of FRC Due to Saline Water and Urea Solution,” Lecture Notes in Civil Engineering, Springer Publication (2020), 641–648. doi:10.1007/978-981-15-4577-1\_55
5. Roy I, Golder A, Sarangi S, Kumar A, Sen M, Kumar S; “Stability Analysis to Reduce the Distance between Shovel-Dumper and Dragline Dump with due to consideration of Safety and Land Economics,” ManTech-A CMPDI Publication, CMPDI Ranchi, (ISSN 0970-7204), Vol 41(4), Oct-Dec-2020
6. Sagar Sarangi & Birendra Kumar Singh, “Influence of Textile Fiber in the Mechanical Characteristic of Hybrid Fiber Reinforced Concrete”, *Journal of Natural Fibers*(2021), [**S**](https://www.elsevier.com/solutions/scopus)**CIE** Indexing, IF 5.323 DOI:10.1080/15440478.2021.2002754

**Conference / Workshop:**

1. Presented a paper titled “Mechanical Properties of Hybrid Fiber Reinforced concrete” in 2nd International Conference on Sustainable Energy and Built Environment” at VIT Vellore in associated with ASCE-2016.
2. Presented a paper titled “Rubber Fibre Reinforced Concrete - A New Building Material” in National Conference on Sustainable & Emerging Trends in Civil Engineering (NCSETCE-2018) at Poornima Group of Institutions, Jaipur, Rajasthan on April 3rd & 4th, 2018.
3. Attended Two Days workshop on “Slope Stability & Environmental Safety in Mining” at BIT Mesra, Ranchi.
4. Attended Three Days workshop on “Design & Style of a Ph.D. Thesis and Reference Management uses Open Source Solutions” at IIT(ISM), Dhanbad, from March 29-31, 2018.
5. Attended a one-day workshop on “Lab Safety: Pitfall & Remedies” under BIT & ICT on 17th December 2018.
6. Attended one-day workshop on “National Information System for Climate and Environment System Studies (NICES) Data Products,” organized by Dept. of Remote Sensing, BIT Mesra in association with ISRO on 31st January 2019.
7. Attended sixth International Conference on Recent Advanced Composite Materials (ICRACM-2019) at IIT (BHU), Varanasi, from February 25 -28, 2019.
8. Presented poster entitled “Treatment of Natural fiber for fiber reinforced concrete” on “first Research Colloquium-2019” organized by BIT Mesra, 1st & 2nd September 2019.
9. Presented poster entitled “Utilization of Laminates for Strengthening of RCC Beam” on “ICE2M-2019” organized by MMMUT, Gorakhpur, UP, 1st to 3rd December 2019. (in press-IEEE Journal)
10. Attended one-day workshop on “Industrial 3D Printing Technology”, Organised by “Sky Rider Institute, Bhubaneswar” on 20th August 2020.
11. Presented paper titled “Housing for Lower Income Groups on shovel dumper over-burden (OB) dump-An approach towards re-habitation”, 3rd International Conference on Sustainable Environment, Energy and Construction (ICSEEC-2021), organised by Hindustan Institute of Technology & Science, Chennai, India from 16th & 17th December, 2021.nstitute

**Short-Term Course/FDP/Webinar:**

1. FDP on “Latest Advances in Concrete Technology &Construction Management (LACTCM-2020)” organized by Department of Civil Engineering, College Of Engineering & Technology, Bhubaneswar, Odisha. From 1st to 5th Sept 2020
2. STP on “A Smart and Sustainable World in Concrete and Structures” organized by Department of Civil Engineering, AISSMS College of Engineering, Pune from 4th to 8th June 2020.
3. Participated in the webinar “Engineering Preparedness for Earthquake Disaster Mitigation,” organized by the Indian Society of Earthquake Technology (ISET) on 3rd June 2020.
4. Participated in the webinar “Understanding Cement Test Reports” organized by the Department of Civil Engineering, Poornima College of Engineering, on Friday, 29th May 2020.
5. Participated in a webinar on “Knowledge generation in Education during COVID19 pandemic” jointly organized by Bombay Teacher’s Training College and Department of Education, University of Mumbai from12th May 2020 to16th May 2020.

**Professional ID:**

ORCID : orcid.org/0000-0001-7665-819X

SCOPUS Author ID : 5719094512

Researchgate : https://www.researchgate.net/profile/SagarSarangi

**Declaration:**

I do hereby declare that all the above information supplied by me is true to the best of my knowledge.

Date: 17.11.2021

Place: Ranchi Sagar Sarangi