



**CEHESH TRUST OF INDIA AWARD**  
**for Excellence in Environmental Science, 2023**  
**Citation in favour of Dr.Arunachala Sadangi**



Hailed from Brahmapur, Dr.Arunachala Sadangi post graduated from Khallikote Autonomous College, Brahmapur, Ganjam district, Odisha. He completed his Ph.D in Geology from Brahmapur University in the year 2015. He started his career from as a scientist in Dalmia Institute of Industrial and Scientific Research of Rajgangpur ,Odisha in the year 2003. After an illustrious career in India Cement Limited and Ultratech Cement Limited ,Dr.Sadangi is presently working as Assistant General Manager (Quality and Innovation) in Nuvoco Vistas Corp.Limited, Mumbai .To his credit Dr.Sadangi has published 25 research papers both in national and international journals and developed a patent on the preparation of a mineral based clinker .This patent is granted by Govt.of India.

His sustainable projects towards environment protection are ;

- **Development of Low carbon clinker which can reduce up to 40% of CO<sub>2</sub> compared with normal Ordinary Portland Clinker**
- Development of Calcium Sulpho Aluminate clinker
- Utilization of reject grade limestone for clinker & cement making
- Utilization of industrial waste like Cu- Slag | Pb-Zn slag | steel Slag | Red mud | Jarosite | SPL for clinker making
- Utilization of mineralizer to reduce specific heat consumption during clinker manufacturing

**His innovation and research finding has led to reduction of 40% CO<sub>2</sub> compared to Ordinary Portland clinker which is a milestone in Environment protection apart from other environment friendly research projects.**

Greetings from CEHESH TRUST OF INDIA for the spectacular achievement of Dr,Sadangi . May success and enthusiasm be with him always. Wish him Good Luck!



*B. Mishra*  
**DR.B. MISHRA**

On behalf of CEHESH TRUST OF INDIA