



K.L. DEEMED TO BE UNIVERSITY DEPARTMENT OF CIVIL ENGINEERING

INTERNATIONAL CONFERENCE

ADVANCES IN SUSTAINABLE CONSTRUCTION MATERIALS

(ICASCM -2023), 18th to 19th Mar, 2023

We are happy to inform you that the Department of Civil Engineering, successfully organized an online Conference on “**Advancement in Sustainable Construction Materials**”. The Welcome note was presented by Dr. Syed Hamim, Assistant Professor, Civil Engineering Department then our respected HoD Dr. Ch. Hanumantha Rao (**Dean Student Affairs**) has given a brief note about our department and this Conference to all participants. Total 8 Keynote Speakers have delivered the keynote sessions. A total of 106 participants attended and 76 presented their Technical paper in a 4- parallel session in two days. All the keynote sessions and parallel sessions are conducted via Cisco Web Ex APP. The keynote details are given below:

Keynote Speaker	Topic
Dr. KVL Subramanyam, Professor, IIT Hyderabad.	CONCRETE INNOVATIONS FOR SUSTAINABLE CONSTRUCTIONS
Dr. Manusanthanam , Professor, IIT Madras	3D CONCRETE PRINTING
Dr. V. Jagadish, Assoc. Prof, PVPSIT	BAMBOO AS A SUSTAINABLE CONSTRUCTION MATERIAL
Dr. Rahul V Ralegaonkar, Professor, VNIT, Nagpur	Bio Based Sustainable Construction Materials

Dr. U. Johnson Alengaram Professor, University of Malaya, Malaysia.	Application of Sustainable Materials in the Construction of Geopolymer Concrete House and Challenges
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Dr. MO KIM HUNG Universiti Malaya, Senior Lecture, Malaysia.	Light Weight Hollow Sphere Cementitious Composite with Fibre Reinforcement
Dr. Khalifa Al-Jabri, Professor and HOD, Sultan Qaboos University, Oman.	Thermo-physical, Mechanical and Microstructural Properties Of Green Cementless Mortar
Dr. Ali Nordine LEKLOU, Professor, Nantes University, France	Application Of Bio source Materials to New Construction and Rehabilitation Of Buildings

In the last session the Co Convenor Dr. P Polu Raju (Professor, Civil Dept. KLEF) has given the conference end note and, in the valedictory, organizing Secretary Mr. J. D. Chaitanya Kumar given the vote of thanks.

All selected and accepted papers will be published as a special Volume in AIP – Conference Proceedings (ISSN: 1551-7616), Indexed in Scopus (Elsevier), and all the Abstracts of papers presented will be published in the form of an E-book with ISBN Number. The topics of the conference aim to be a platform for reporting both fundamental and applied issues of structural engineering. The overall themes of the conference are classified into the following tracks:

- Supplementary Cementitious Materials
- Green Buildings and Green Architecture
- Innovation in Construction Materials and Structures
- Low Energy Materials
- Fiber-based Materials
- Ceramic and Composite Materials
- Materials for Structural Applications
- Bio-Cementation
- Light Weight Concrete

- Porous Materials
- Refractory Materials
- Bamboo Reinforced Concrete
- Thermal Insulated Materials
- Life Cycle Assessment of Materials
- Innovative Cement-based Materials
- Advanced Composite Materials

The ICASCM 2022 provides a two-day research extravaganza which will be having a perfect blend of keynote addresses and oral presentations via online mode through which an ample networking opportunity for collaborations and partnerships that can drive wide recognition and adds value to the enlisted career profiles from the world's brightest minds in engineering and technology. This platform will eventually benefit the young research minds to bring forth the ideas and develop it into a solution for future world. ICASCM 2022 aims to pave the critical role of the Construction materials pathway towards sustainable development and technology among different research domains of Civil Engineering. The conference will explore novel materials and methodologies for sustainable development and technologies.

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Welcomes all the participants

INTERNATIONAL CONFERENCE ON ADVANCES IN SUSTAINABLE CONSTRUCTION MATERIALS



**18th Mar 2022 to
19th Mar 2022
9.30 AM to 5.00 PM**



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DK	BB	KC	DB	B
Dr.Hanuma Kasagani	bkras1@gmail.com bk	k s chamberlin	Durga Bhavani	B.JASWANTH

Welcomes all the participants

INTERNATIONAL CONFERENCE ON ADVANCES IN SUSTAINABLE CONSTRUCTION MATERIALS



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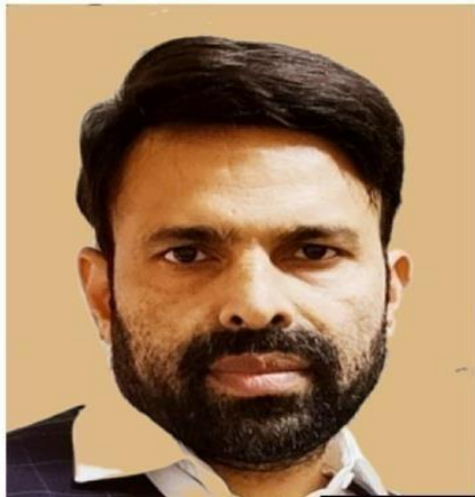
**INTERNATIONAL CONFERENCE ON
ADVANCES IN SUSTAINABLE CONSTRUCTION MATERIALS**

Day 1 – 18/03/2022 (FN)



Session - KN1

**BAMBOO AS A SUSTAINABLE
CONSTRUCTION MATERIAL**



**Dr. V. Jagadish,
Associate Professor,
PVPSIT.**

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3rd International Conference on ADVANCES IN SUSTAINABLE CONSTRUCTION MATERIALS 18th & 19th March 2022

- Dr. Jagadish Vengala obtained his doctoral degree on “Seismic Response Study of bamboo based Constructions” from VTU, Belgaum during 2015 for which he conferred with INAE Innovative PhD Thesis by the Indian National Academy of Engineering (INAE). He obtained his Master’s degree in Construction Technology from BMS College of Engineering, Bangalore, in 2002 and Bachelor’s degree in Civil Engineering from Koneru Lakshmaiah College of Engineering, Vijayawada in 1998. After two years[2002-2004] as a design engineer at Torsteel Research Foundation, Bangalore he joined IPIRTI (under Min. of Env & Forests, Govt of India) as a scientist in August 2004 and worked for 11 years[2004-2015] for IPIRTI, Bangalore .With a passion in teaching, he left the Govt. Job and started formal teaching in 2015 at BMS Institute of technology, Bangalore and worked during August 2015 to May 2018. He worked as Head of the department during 2016 to 2018. He has got more than 21 years of research,industry and teaching experience.
- He was recipient of Outstanding Concrete Engineer – Andhra Pradesh for the year 2021 by ICI- Vijayawada Centre and Prof. V. Ramakrishnan’s Young Scientist award for the year 2008-2009 by Indian Concrete Institute. He was recipient of 5th CIDC Viswakarma Award – Under the category of Achievement Award for Scientist for the year 2013. He was recipient of “Distinguished professor award” by Amaravathi Research Academy for the year 2020 and “Outstanding Faculty award” for the year 2019 by Venus International Foundation, Chennai.
- In 2009, He attended as a member of the damage inspection team for the world’s largest earthquake test on seven storied wood building (40’X60’) at Miki City, Japan under National Science Foundation (NSF) Project, USA. He was the recipient of a BOYSCAST Fellowship in 2008 from Department of Science and Technology, under which he worked with Prof. John Van de lindt, Dept. of Civil Engineering, Colorado State University, USA.
- He has delivered 199 invited & guest lectures at various National and International forums.
- Chaired/Co-chaired more than 25 sessions in International and National Conferences. He organized more than 50 numbers of workshops/seminars/conferences/training programmes. He has published about more than 50 research papers in various International and National Journals and International Conferences out of which he received 5”Best Paper” awards. He has guided more than 30 M.Tech. and B.Tech. Thesis.He has got a patent on his credit.
- He was recently elected as National Governing Council Member, Bamboo Society of India for 2021-23. He served as management committee member for Indian Concrete Institute -Karnataka Bangalore Centre during 2007-11 and 2017-2019.
- He was the reviewer for Journal of Structural Engineering (ASCE), The Indian Concrete Journal, International Journal of Earth Sciences and Engineering, Journal of Bamboo and Rattan, Journal of Cleaner Materials, Ingenieria E Investigacion and Materials Today Proceedings (Elsevier).
- He is Indian Green Building Council Accredited Professional.
- He is the Fellow of Institute of Engineers(India), ACCE (India) and life member Indian Concrete Institute, Bamboo Society of India, , IAWS, ISCA. His research interests include Sustainable Building materials, self- compacting concrete, Concrete Technology, Cementitious materials, earthquake engineering; bamboo-based and pre-fabricated housing.



**KEYNOTE
SPEAKER- ICASCM**

**Dr. V. Jagadish,
Associate Professor,
PVPSIT.**



Day 1 – 18/03/2022 (FN)



Session – KN2

**CONCRETE INNOVATIONS FOR
SUSTAINABLE CONSTRUCTIONS**

In Association with



Dr. KVL Subramanyam
Professor,
IIT Hyderabad.

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Welcomes all the participants
18th & 19th March 2021
INTERNATIONAL CONFERENCE ON
ADVANCES IN SUSTAINABLE CONSTRUCTION MATERIALS

Prof. K.V. L. Subramaniam is currently a Professor in the Department of Civil Engineering at Indian Institute of Technology Hyderabad (IITH). He was the Dean (Planning and Development) at IIT Hyderabad and oversaw the construction of the new campus. Prior to joining IITH, he was a Professor and Catell Research Fellow in Department of Civil Engineering at the Grove School of Engineering, the City College of New York (CCNY). Dr. Subramaniam obtained a B.Tech. in Civil Engineering from IIT Delhi and Ph.D. in Structural Engineering and Materials from Northwestern University, Evanston. Dr. Subramaniam was awarded the Early Career Award from the National Science Foundation (NSF) of USA for investigating the early-age changes in cementitious materials. He received the James Instrument Award from the American Concrete Institute (ACI) in 1999 for his research on nondestructive evaluation of concrete. He was the Chairman, committee 215 on Fatigue of Concrete of the ACI. In 2009, he was elected a Fellow of the American Concrete Institute (ACI) for notable contribution in the area of fracture and fatigue of concrete. He is an Associate Editor of the Journal of Materials in Civil Engineering of the American Society of Civil Engineers. He is on the editorial board of the Journal of Cement and Concrete Composites (Elsevier). He is a life member of the Indian Concrete Institute. He was elected a Fellow of the Indian National Academy of Engineering (INAE) in 2021



**KEYNOTE
SPEAKER- ICASCM**

Dr. KVL Subramanyam
Professor,
IIT Hyderabad



ICI – K L E F Student Chapter



**Dr. Manusanthanam,
Professor, IIT Madras.**

Day 1 – 18/03/2022 (AN)

Session – KN3

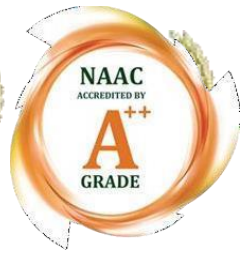
3D CONCRETE PRINTING



In Association with

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3rd International Conference on ADVANCES IN SUSTAINABLE CONSTRUCTION



Welcomes all the participants

18th & 19th March 2021

INTERNATIONAL CONFERENCE ON ADVANCES IN SUSTAINABLE CONSTRUCTION MATERIALS

Dr. Manu Santhanam is a professor in the Building Technology and Construction Management division, Department of Civil Engineering and currently Associate Dean for Industrial Consultancy and Sponsored Research (ICSR), IIT Madras. He completed his Bachelor Degree in Civil Engineering from IIT Madras in 1994. He joined Purdue University for Master's program to explore wider research opportunities. Professor Manu joined Sika Corporation, USA as Senior R&D Chemist in May 1996 and served for more than 2 years. Later, he pursued his doctoral research from Purdue University, USA. He joined back his alma mater, Purdue University, as an instructor in May 2001 for short period. In October 2001, he joined IIT Madras as Assistant Professor in the BTCM division of the Department of Civil Engineering. He became Associate Professor on March 2009 and was promoted as Professor on July 2013. He teaches undergraduate and graduate-level courses mainly in the areas of construction materials, concrete technology, non-destructive testing and characterization of construction materials. His research domains cover cement chemistry and multi-scale characterization of concrete including non-destructive testing, assessment of deterioration mechanisms in concrete and masonry structures, 3D printing of concrete structures, concrete durability and use of supplementary cementing materials. He is also a part of the National Centre for Safety of Heritage Structures (NCSHS) in IITM which focuses on scientific methods for conservation of heritage structures. He is actively involved in several research projects funded by government and private agencies on the design, durability studies and development of performance specification for high performance and self-compacting concrete. He has co-authored more than 70+ international journal publications, 30+ national journal publications and about 70 conference papers on construction material properties and performance. His contributions extend to several book chapters which he co-authored with national and international researchers. He is also active in various professional associations such as ACI, ICI, and RILEM and has been distinguished as a RILEM fellow in 2019. He is also a member of Editorial Board in leading international journal on construction materials such as Advances in Cement Research, ASCE Journal of Materials in Civil Engineering (Associate Editor), Journal of Sustainable Cement-Based Materials and Journal of Cement and Concrete Composites.



**KEYNOTE
SPEAKER- ICASCM**
**Dr. Manusanthanam,
Professor, IIT Madras.**



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Day 1 – 18/03/2022 (AN)



Session – KN4

**Bio Based Sustainable Construction
Materials**



**Dr. Rahul V Ralegaonkar,
Professor, VNIT, Nagpur.**

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ADVANCES IN SUSTAINABLE CONSTRUCTION MATERIALS

Dr. Rahul V. Ralegaonkar has completed B.E. (Civil-1998), M.E. (Civil-2000) & Ph.D. (Energy Efficient Buildings-2005). He worked for a year in industry at managerial post in GIS industry and Civil Construction industry. Rest 20 years he has been associated with academics including research, testing, consultancy of civil engineering materials, projects etc. He was awarded one of the most prestigious Indo-US BHAVAN Fellowship by DST, New Delhi to work at University of Texas, US during 2016. He has been awarded Visiting Professor post at Liverpool John Moores University, UK for the track February 2019-January 2022. Apart from US and UK he also travelled to Australia and Singapore for research exchange programs. He has 3 international and 3 national awards to his credit for novel product design which are used as energy efficient construction materials. He was also awarded doctoral fellowship by National Renewable Energy Fellowship by Ministry of Non-Conventional Energy Sources, New Delhi. He holds international diploma certification to serve as sustainability practioner for CSR activities and rendered his services to Fondazione Cariplo, Italy for bio-economy related research projects.

He is presently working as Professor in Department of Civil Engineering, at Visvesvaraya National Institute of Technology, Nagpur, India with keen interest in broad areas of Sustainable Construction Engineering. He has completed several R & D sponsored projects of National and International repute. Currently two R & D sponsored projects funded by British Council & Truform Industries Pvt. Ltd., Nagpur is ongoing. Six technologies related to sustainable construction materials were granted patent. Two software tools were designed and received copyright for design of carbon minus building designs & implementation of sustainable technologies in large scale construction projects. Till date over 160 publications were brought out at international and national level. He has authored a book & contributed over five chapters in international handbooks published by Elsevier and IGI global publishers.

Presently 9 doctoral candidates, over 50 master's candidates and 15 graduating student groups have completed their projects under his supervision. As the interactions with other professionals are concerned, the lecture notes were published and presented in more than 15 training programs. More than 100 lectures were delivered as invited speaker on several management and engineering topics like energy management, energy economics, application of sustainable technologies in construction industry and disaster management, etc. at various national and international level interactive platforms. As an organising committee member including principal coordinator and secretary for workshops, training program and national conference more than 60 events were participated. He has been lead editor for couple of SCI Journals and is also actively involved with technical forums as an editorial board member and the reviewer for several journals and conferences at national and international level. He is also a member of Board of Studies for several deemed universities. He was also associated with National Mission projects like Principal Nodal Officer for E-hub of Ministry of Skill development program, Nodal coordinator for Housing for all program of Ministry of Housing & Urban Poverty Alleviation, New Delhi and Member for Environmental clearance cell constituted by Local Improvement trust.



**KEYNOTE
SPEAKER- ICASCM**
Dr. Rahul V Ralegaonkar,
Professor, VNIT, Nagpur.



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Dr. U. Johnson Alengaram
Professor, University of Malaya,
Malaysia.

Day 2 – 19/03/2022 (FN)

Session – KN5

**Application of Sustainable Materials in the Construction
of Geopolymer Concrete House and Challenges**

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18th & 19th March 2022

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ADVANCES IN SUSTAINABLE CONSTRUCTION MATERIALS

Professor Ir. Dr U. Johnson Alengaram is the Director of Centre for Innovative Construction Technology (CICT), a Research Centre under the Faculty of Engineering, University of Malaya, Kuala Lumpur, Malaysia. He obtained his Bachelor of Civil Engineering from the University of Madras, India.

He is also a Chartered Civil Engineer of world-renowned Institution of Civil Engineers (ICE, UK) and the Engineering Council (UK); he is also a Companion member of Institution of Engineer Malaysia (CIEM), and a life member of the Concrete Society of Malaysia (CSM). He is also a qualified Professional Engineer of Board of Engineers Malaysia (BEM).

Professor Dr U. Johnson Alengaram has been in academic, consultancy, research, and administration and contributed to society in different capacities in India, Bahrain, and Malaysia. His current Web of Science (WoS) h-index stands 43 with the publication of over 140 articles in refereed journals and conferences.

He serves as the Associate Editor of the Australian Journal of Civil Engineering and Editorial Board in the Journal of Construction Materials, Frontiers in Built Environment and Jordan Journal of Civil Engineering.

His research involves the utilization of industrial by-products and waste materials in concrete, material characteristics, lightweight aggregate concrete, foamed concrete, geopolymers in concrete and impact & blast-resistant concrete; his experimental works revolve around investigations on the microstructural behaviour, mechanical properties and durability characteristics, structural behaviour, functional behaviour etc. He is mainly focussed on fruition of sustainable materials in application through construction. Thus, he and his team embarked on the utilization of such materials through a few construction projects. His industrial collaboration with several companies enabled University of Malaya to get involved in both research projects and consultancy work involving materials and structural aspects.

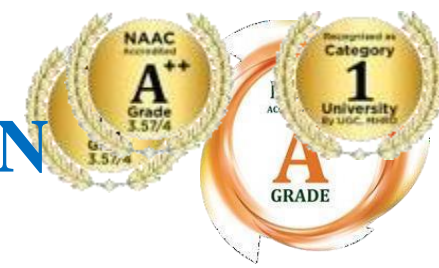
His research team has won multiple gold and silver awards at the national and international exhibitions, that include, Innovation and Technology Exhibition, International Conference and Exposition on Inventions by Institutions of Higher Learning, Malaysia technological expositions, etc.

He received many research grants from the University of Malaya research fund, the ministry of higher education Malaysia, national and international grants including prestigious Newton-Ungku Omar Coordination Fund: UK-Malaysia Research & Innovation Bridges Competition. As the Director of CICT, he has organized conferences, seminars, workshops, school student events, etc. He has supervised 23 Doctoral and Master of Engineering Science students to graduation.

He has a research collaboration and activities with various universities in Malaysia, Australia, Bahrain, Brazil, China, France, Germany, United Kingdom, India, Japan, Jordan, Oman, Singapore, South Korea, and Vietnam. He has been invited by various Universities in different countries to give the keynote lectures in international conferences, seminars, and research workshops.

In 2016, Professor Johnson along with his CICT team built a low-cost model house in University of Malaya using industrial by-products; this project showcases the utilization of vast quantity of materials available in Southeast Asia that could be used in the construction of low-cost houses. Recently, he and his team built another house using geopolymer concrete for bus drivers which also serves as a research hub. The local sustainable materials used in the construction is a testament of his commitment towards sustainable development. His team also built

sustainable pavements within UM campus using recycled plastic wastes.



**KEYNOTE
SPEAKER- ICASCM**
Dr. U. Johnson Alengaram
Professor, University of
Malaya, Malaysia.



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– K L E F Student Chapter



Dr. MO KIM HUNG
Universiti Malaya, Senior
Lecture, Malaysia.

Day 2 – 19/03/2022 (FN)

Session – KN6

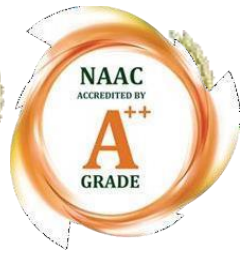
**Light Weight Hollow Sphere Cementitious
Composite With Fibre Reinforcement**



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Dr. Kim Hung Mo is presently a senior lecturer in the Department of Civil Engineering, Faculty of Engineering, Universiti Malaya, Malaysia since 2016. He has a PhD with distinction in the field of structural engineering and materials from Universiti Malaya. Dr. Mo is a Professional Engineer registered with the Board of Engineers Malaysia (BEM), Chartered Engineer of the Engineering Council United Kingdom, and Professional Technologist in the Malaysia Board of Technologists (MBOT).

Dr. Mo has over 10 years of research experience and his primary research interest is in the area of concrete materials and technology, focusing on lightweight concrete, as well as sustainable and eco-friendly cement and concrete using recycled by-products. Till date, he has authored/ co-authored more than 100 articles in top-ranked SCI-indexed journals, 5 book chapters, and numerous conference papers. His current h-index stands at 30 in Web of Science. Dr. Mo also contributes in the Editorial Board of 4 journals, as well as Guest Editor in 3 special issues, and serves as reviewer for more than 50 different journals.

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**KEYNOTE
SPEAKER- ICASCM**
Dr. MO KIM HUNG
Universiti Malaya, Senior
Lecturer, Malaysia.

ICI – K L E F Student Chapter



**Dr. Khalifa Al-Jabri ,
Professor and HOD, Sultan
Qaboos University, Oman.**

Day 2 – 19/03/2022 (AN)

Session – KN7

**Thermo-physical, Mechanical And
Microstructural Properties Of Green
Cementless Mortar**

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ADVANCES IN SUSTAINABLE CONSTRUCTION MATERIALS

Prof. Al-Jabri obtained his BSc in Civil Engineering from Sultan Qaboos University in 1991 and MSc and PhD degrees from The University of Sheffield, UK in 1993 and 2000, respectively. After obtaining the PhD, he joined the Department of Civil and Architectural Engineering as an Assistant Professor and in 2006, he was promoted to an Associate Professor and appointed as the Assistant Dean for Postgraduate Studies and Research in the College of Engineering. In 2011, he was promoted to a Professor and appointed as the Head of the department of Civil and Architectural Engineering until September 2017. He served as member in the State Council of Oman from 2011-2015. He was ranked among World's top 2% influential scientists and researchers in the field of construction and building published by Stanford University in 2020 and 2021, respectively. In 2022, he was awarded "The Order of Royal Commendation (2nd class)" by His Majesty Sultan of Oman.

In 2015, he received the Best Researcher's Award from Sultan Qaboos University and He was elected as a Fellow member (FIC E) of the Institution of Civil Engineers (IC E), UK and Fellow member of the American Society of Civil Engineers (ASC E), USA in 2018 and Oman Society of Engineers. He also received the pioneer Engineer's award from the Gulf Union of Engineers in 2017. He is member of trustees of the Arab Commission for Accreditation of Engineering and Technology as well as chairman of the Education Committee in the Federation of Arab Engineers.

His research interest is focusing on three areas: 1) studying the behavior of materials and structures at elevated temperatures, 2) Investigating the potential use of waste materials and industrial by-products in civil engineering application, 3) Seismic hazard assessment of Oman. 4) Use of sustainable construction materials

Prof. Al-Jabri has published more than 200 articles in well-refereed journals, conferences and technical reports. He served as principal investigator and researcher in more than 31 research grants and consultancy projects. He is member in the editorial board and reviewer in 6 and 47 scientific journals, respectively. He supervised a number of postgraduate students and served as an external examiner for a number of MSc and PhD students locally and internationally. He attended many international conferences and he was invited as a keynote and invited speaker to many conferences and workshops. He organized and was member in the organizing and scientific committees of many local and international conferences. He evaluated many academic promotion cases, research grants, academic programs for some academic institution locally and internationally. He served as chair and member in many committees in the University and national levels.

His outstanding scientific achievements have been reflected on the number of citations and the h-index which reached around 3000 citations (with h-index of 30) in google scholar and more than 2200 citations (with h-index of 27) in Scopus index. Some of his articles that published in the Journal of Constructional Steel Research were among the top 25 of the most cited articles.



KEYNOTE

SPEAKER- ICASCM

**Dr. Khalifa Al-Jabri ,
Professor and HOD, Sultan
Qaboos University, Oman.**



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ICI – KLEF Chapter



**Dr. Ali Nordine LEKLOU ,
Professor, Nantes University,
France**

Day 2 – 19/03/2022 (AN)



Session – KN8

**Application Of Bio source Materials To
New Construction And Rehabilitation Of
Buildings**

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Department of Civil Engineering**

Welcomes all the participants

18th & 19th March 2022

Dr. Rahul V. Ralegaonkar has completed B.E. (Civil-1998), M.E. (Civil-2000) & Ph.D. (Energy Efficient Buildings-2005). He worked for a year in industry at managerial post in GIS industry and Civil Construction industry. Rest 20 years he has been associated with academics including research, testing, consultancy of civil engineering materials, projects etc. He was awarded one of the most prestigious Indo-US BHAVAN Fellowship by DST, New Delhi to work at University of Texas, US during 2016. He has been awarded Visiting Professor post at Liverpool John Moores University, UK for the track February 2019-January 2022. Apart from US and UK he also travelled to Australia and Singapore for research exchange programs. He has 3 international and 3 national awards to his credit for novel product design which are used as energy efficient construction materials. He was also awarded doctoral fellowship by National Renewable Energy Fellowship by Ministry of Non-Conventional Energy Sources, New Delhi. He holds international diploma certification to serve as sustainability practioner for CSR activities and rendered his services to Fondazione Cariplo, Italy for bio-economy related research projects.

He is presently working as Professor in Department of Civil Engineering, at Visvesvaraya National Institute of Technology, Nagpur, India with keen interest in broad areas of Sustainable Construction Engineering. He has completed several R & D sponsored projects of National and International repute. Currently two R & D sponsored projects funded by British Council & True form Industries Pvt. Ltd., Nagpur is ongoing. Six technologies related to sustainable construction materials were granted patent. Two software tools were designed and received copyright for design of carbon minus building designs & implementation of sustainable technologies in large scale construction projects. Till date over 160 publications were brought out at international and national level. He has authored a book & contributed over five chapters in international handbooks published by Elsevier and IGI global publishers.

Presently 9 doctoral candidates, over 50 master's candidates and 15 graduating student groups have completed their projects under his supervision. As the interactions with other professionals are concerned, the lecture notes were published and presented in more than 15 training programs. More than 100 lectures were delivered as invited speaker on several management and engineering topics like energy management, energy economics, application of sustainable technologies in construction industry and disaster management, etc. at various national and international level interactive platforms. As an organising committee member including principal coordinator and secretary for workshops, training program and national conference more than 60 events were participated. He has been lead editor for couple of SCI Journals and is also actively involved with technical forums as an editorial board member and the reviewer for several journals and conferences at national and international level. He is also a member of Board of Studies for several deemed universities. He was also associated with National Mission projects like Principal Nodal Officer for E-hub of Ministry of Skill development program, Nodal coordinator for Housing for all program of Ministry of Housing & Urban Poverty Alleviation, New Delhi and Member for Environmental clearance cell constituted by Local Improvement truss.



KEYNOTE

SPEAKER- ICASCM

Dr. Ali Nordine LEKLOU ,
Professor, Nantes University,
France



Indian Concrete Institute

ICI – K L E F Student Chapter



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Meeting Name+3A2:15	Meeting Start Time	Meeting End Time	Display Name	Role	Join Time	Leave Time	Connection Ty	Session Name
ICASCM-2022	9:30 AM	6:30 PM	2000020004	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2000029002	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2000029003	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
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ICASCM-2022	9:30 AM	6:30 PM	2000029009	attendee	9:30 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200020001	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200020002	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200020003	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200020005	attendee	10:00 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2023	9:30 AM	6:30 PM	2200020006	attendee	9:50 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200020007	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200020008	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200020009	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200020010	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200020011	attendee	10:00 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200020012	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200020013	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200020015	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200029003	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200029004	attendee	10:15 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200029005	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200029006	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	2200029006	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	ICASCM001	attendee	2:10 PM	6:10 PM	Mobile app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	ICASCM003	attendee	2:10 PM	6:10 PM	Mobile app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	ICASCM003	attendee	2:20 PM	6:10 PM	Web app	ICASCM-2022

ICASCM-2022	9:30 AM	6:30 PM	ICASCM005	attendee	2:30 PM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	ICASCM007	attendee	2:40 PM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	ICASCM008	attendee	2:50 PM	6:10 PM	Web app	ICASCM-2022
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ICASCM-2022	9:30 AM	6:30 PM	CR039	host	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	Dr. P. POLURAJU	attendee	9:20 AM	6:10 PM	Web app	ICASCM-2022
ICASCM-2022	9:30 AM	6:30 PM	Dr. Syed Hamin	host	9:20 AM	6:10 PM	Desktop app	ICASCM-2022