

KIRAN RAM P P

Research Assistant, University of Zagreb, Croatia
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EDUCATION

Bachelor of Technology in Civil Engineering Government Engineering College, Thrissur, Kerala, India. Calicut University, CGPA: 7.00/10.00	August 2010 - May 2014
M.Tech in Civil Engineering National Institute of Technology Karnataka, Surathkal, India CGPA: 8.64/10.00	July 2015 - July 2017
P.hD in Civil Engineering University of Zagreb, Zagreb, Croatia	September 2019 - Present

SKILLS AND INTERESTS

Interests	Cement chemistry, Durability issues in concrete especially corrosion of steel rebars
Design Software	MATLAB, Autocad, EMMA, STAAD, MS Office
Platforms	C, C++

PROJECTS

Study on Structural Performance of Steel Tubes Filled with Alkali Activated Slag Concrete
September 2015 - April 2016
Mini Project

- Different mixes were prepared with GGBFS and alkali activated solution
- Analyzed the mechanical properties AAC filled circular tube under uni-axial compression.
- Studied the effect of diameter and length of tubes on mechanical properties.
- Checked data with codal provisions.

Influence of Cement Types on the Properties of Steel-Concrete Interface, Bond Strength and Corrosion Resistance of Reinforced Concrete Exposed to Marine Environment
May 2016 - July 2017
Major Project

- Studied the effect of binder types on corrosion resistance of RCC exposed in marine environment.
- All samples exposed into simulated marine environment and various pH levels.
- Analyzed the corrosion and bond behaviour in simulated marine condition with advanced characterization techniques

Electrochemical response from steel in highly resistive binder systems and estimation of chloride threshold and service life
December 2017 - 2019.
Research Project

- Evaluated the ability of the half-cell potential (HCP), macrocell corrosion current (MCC), linear polarization resistance (LPR), and electrochemical impedance spectroscopy (EIS) techniques in detecting corrosion initiation of steel in various binder systems.

Advanced Low CO2 Cementitious Materials

September 2019 - Cont.

Research Project

- Developing low CO2 cementitious system using locally available materials available in South-East Europe.

PUBLICATIONS

"Effect of GGBFS and microslag on transport properties of concrete" - 3rd R.N. Raikar Memorial International Conference and Gettu-Kodur International Symposium on Advances in Science and Technology of Concrete, Mumbai, India

"Bond strength and corrosion resistance of reinforced concrete exposed to simulated acidic and alkaline marine environment", UKIERI Concrete Congress 2019, Punjab, India

EXTRA-CIRRICULAR ACTIVITIES

Placed a position in 3 percentile of Graduate Aptitude Test in Engineering	February 2015
Spoke person of the College Students Union, GEC Thrissur	2013-2014
First in high strength concrete cube design, CONJURA13, TKM College of Engineering	December-2013
Ranked first in demonstration of highest strength concrete cubes at Technical symposium at College of Engineering Trivandrum	November-2013
Best design of concrete cubes in technical symposium held at NIT, Calicut	October-2013
Best design of Self Compacting Concrete NIT Calicut	March-2013
Participated different workshops related concrete technology across the country	2012 - Cont.

REFERENCES

Dr. Marijana Serdar

Assistant Professor

University of Zagreb

Zagreb, Croatia

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Dr. Radhakrishna G Pillai

Associate Professor

Indian Institute of Technology Madras

Chennai, India

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DECLARATION

I hereby declare that all the information provided by me in this application is factual and correct to the best of my knowledge. Certificates will be provided up on request.

Kiran Ram P P