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## REFEREED JOURNALS

- Jayachandran Karuppanasamy and Radhakrishna G. Pillai, "Probabilistic corrosion rates of Cold-Twisted Deformed (CTD) and Thermo-Mechanically Treated or Quenched and Self-Tempered (TMT/QST) Steels in chloride-contaminated mortar", Indian Concrete Journal (ISSN: 0019–4565, IF-2016: 0.402), Vol. 90, No. 11, 45–55, 2016.
- 2. **Jayachandran Karuppanasamy** and Radhakrishna G. Pillai, "Statistical distributions for corrosion rates of conventional and prestressing steel reinforcement embedded in chloride contaminated mortar", NACE Corrosion Journal (ISSN: 0010–9312, IF-2016:1.661), Vol. 73, No. 9, 1119–1131, 2017.
- 3. **Jayachandran Karuppanasamy** and Radhakrishna G. Pillai, "A short-term test method to determine the chloride threshold of steel-cementitious systems with corrosion inhibiting admixtures", Journal of Materials and Structures (RILEM) (ISSN:0947-5117, IF-2016: 1.26), Vol. 50, Issue 4, 205–217, 2017.
- 4. Mahima S., Bahurudeen A., Manu Santhanam, and **Jayachandran Karuppanasamy**, "Service life prediction of bagasse ash blended concrete in marine splash zone", ELSEVIER Journal: Materials Today: Proceedings (ISSN:2214-7853), Volume 4, Issue 9, 9664 9672, 2017.

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  of corrosion inhibitor on corrosion rate of Quenched and Self-Tempered (QST) steel embedded
  in mortar exposed to chlorides", 5<sup>th</sup> International Corrosion Prevention Symposium for Research
  Scholars (CORSYM 2018), IIT Madras, India.
- 2. Dyana Joseline, **Jayachandran Karuppanasamy**, Padma Priya, and Radhakrishna G. Pillai, "Corrosion behaviour of prestressing steel in some practical scenarios", International Conference and Expo on Corrosion (CORCON 2017), Mumbai, India, September 17–20, 2017.
- 3. Athira G., Mahima S., Bahurudeen A., **Jayachandran K.**, Moorthy P., "Service life prediction for bridge structures exposed to aggressive marine environment", International Conference on Transportation Planning and Implementation Methodologies for Developing Countries, IIT Bombay, India, December 19–21, 2016.
- 4. **Jayachandran Karuppanasamy** and Radhakrishna G. Pillai, "Service life estimation of concrete structures with different steel types exposed to chloride environment", NACE Concrete Service Life Extension Conference, Orlando, Florida, USA, May 23–25, 2016.
- 5. Mahima S., Bahurudeen A., Manu Santhanam, and **Jayachandran Karuppanasamy**, "Service life prediction of bagasse ash blended concrete in marine splash zone", International conference on recent trends in Engineering and material sciences (ICEMS 2016), Jaipur, India, March 17–19, 2016.

- 6. Dyana Joseline, **Jayachandran Karuppanasamy**, Dhanya B. S. and Radhakrishna G. Pillai, "Effect of corrosion inhibitor on critical chloride threshold of prestressing steel", International Conference and Expo on Corrosion (CORCON 2016), New Delhi, India, September 18–21, 2016.
- 7. **Jayachandran Karuppanasamy** and Radhakrishna G. Pillai, "A test method to determine the effect of corrosion inhibitors on chloride threshold of steel-cementitious systems", International Conference and Expo on Corrosion (CORCON 2015), Chennai, India, November 19–21, 2015.
- 8. Radhakrishna G. Pillai, **Jayachandran Karuppanasamy**, Dhanya B. S., Sooraj A.O. Nair, Manu Santhanam, and Ravindra Gettu, "Enhancing the corrosion resistance of reinforced concrete structures Indian Scenario and challenges ahead", Invited Lecture, International Conference and Expo on Corrosion (CORCON 2015), Chennai, India, November 19–21, 2015.
- 9. **Jayachandran Karuppanasamy** and Radhakrishna G. Pillai, "Issues with the application of potential gradient in evaluating the performance of corrosion inhibitors in steel-cementitious systems", International Conference on Ecstasy in Concrete (ACECON 2015), Kolkata, India, October 08–10, 2015.