

Ahmed A. ELSHAMI

Associate professor

Age : 44 years(12/01/1978)
3 children

Housing & Building National Research Centre 87
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Education

2008-2012	Ph.D. in Civil Engineering , Nantes University, France
2003-2005	Master Degree in Cement Chemistry " Alkali Carbonate Aggregate Reaction " Faculty of Science Zagazig University " Egypt.
2000-2001	Pre Master Degree Inorganic Chemistry , Faculty of Science, Al-Azhar University, Egypt
1996-2000	B.Sc.in Special Chemistry " with accumulative average grade “very good with honor degree”, Faculty of Science, Al-Azhar University, Cairo Egypt

Professional experience

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- From 2009-2012, ATER (full service), University of Nantes, IUT of Saint-Nazaire, France
 - Since 2012, visiting lecturer at the University of Nantes, France
 - Since 2012, elected member of the board of directors of the engineering school
 - Since 2016, member of the Housing & Building National Research Centre Council, Egypt
 - Participation in different research programs (recycled building materials national project)
 - Supervision of doctoral thesis and master's degree internships
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Skills and expertise

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- Study of the durability and pathologies of building materials: physical, chemical, biological aggression, internal reactions (alkali-reaction, sulphate, etc.)
 - Study of ion transfers (accelerated tests & Corrosion tests)
 - Characterization and optimization of Eco materials based on industrial or vegetable co-products
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Scientific production

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- Number of citations: 113, h-index: 6 (source: Scopus & Web of science)
 - 18 publications in peer-reviewed international journals (source: Scopus & Web of science)
 - 4 articles published in unlisted international journals
 - 28 communications including 9 in international congresses and 19 in national congresses
 - 3 patents filed are in the process of expertise
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4 major publications

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- Seleem S. E. Ahmad, Mohamed.A.R. Elmahdy, **A.A ELShami** & El-Shikh M.Yousry, “ Bacterial sustainable concrete for repair and rehabilitation of structural cracks. Journal of Sustainable Cement-Based Materials ., pp. 1-20 (2022).
 - **Ahmed A Elshami**, Stéphanie Bonnet, M. H. Makhoulf, Nordine Leklou..Novel green plants extract as corrosion inhibiting coating for steel embedded in concrete. Pigment & Resin Technology© Emerald Publishing Limited [ISSN 0369-9420][DOI10.1108/PRT-09-2019-0078](2020).
 - **A Elshami**, S Bonnet, A Khelidj, L Sail, “Effectiveness of corrosion inhibitors in simulated concrete pore solution ”, European Journal of Environmental and Civil Engineering, 1-21 (2018).
 - N.M. Ahmed , M.G. Mohamed , M.R. Mabrouk , **A.A. ELShami**, “Novel anticorrosive pigments based on waste material for corrosion protection of reinforced concrete steel”, Construction and Building Materials, Volume 98, pp. 388-396 (2015).