

# Curriculum vitae and list of publications

## Curriculum vitae

Applicant Personal Information	
First name	Rawaz
Last name	Kurda
Nationality	Iraqi / Portuguese
City	Erbil
Country	Iraq
E-mail	
Phone Address	
Date of birth (date, month, year)	













(1) Education		
University level	Degree	PhD (doctorate) in Civil Engineering
	University name	Universidade de Lisboa, Instituto Superior Técnico
	Country	<b>Portugal</b> 
<b>Ranke of Civil department/ Univeristy of Lisbon</b>		<b>Europe:</b> 7 (according to Shanghai, 2017); 8 (according to NTU, 2017) <b>Worldwide:</b> 29 (according to Shanghai, 2017); 43 (according to NTU, 2017)







(5) Grants
1. Post-doctoral scholarship at University of <b>Lisbon</b> – FCT (1 year) 2. Post-doctoral scholarship at Technical University of <b>Denmark</b> – <b>MARIE CURIE</b> fellowship (2 years) 3. Post-doctoral scholarship at University of <b>Lisbon</b> – IST-ID (2 year)

(9) Research interesting	
<ul style="list-style-type: none"> <li>• <b>Environmental impact;</b></li> <li>• Materials science;</li> <li>• <b>Life Cycle Assessment;</b></li> <li>• Geopolymer concrete;</li> <li>• <b>Toxicity</b></li> <li>• Alkali-activated materials.</li> </ul>	<ul style="list-style-type: none"> <li>• Supplementary cementitious materials;</li> <li>• Construction and demolition waste;</li> <li>• Sustainable concrete and mortar;</li> <li>• Costs (economy);</li> <li>• Multi criteria analysis;</li> <li>• Optimization.</li> </ul>







## Scientific publications






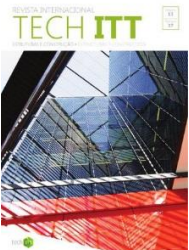
Publications	
Date/year	Publication details
<b>2020</b>	
<b>28</b>	
<b>2020</b>	Zrar Safari, <b>Rawaz Kurda</b> , Botan Al-Hadad, Faraydon Mahmood, Mucip Tapan
	Resources, Conservation and Recycling
	Impact factor <sup>5y</sup> – <b>8.089</b>
	<a href="https://doi.org/10.1016/j.resconrec.2020.105055">https://doi.org/10.1016/j.resconrec.2020.105055</a>
	Mechanical characteristics of pumice-based geopolymer paste
<b>27</b>	
<b>2020</b>	<b>Rawaz Kurda</b> , Jorge de Brito, José D Silvestre
	Journal of Building Engineering
	Impact factor <sup>5y</sup> - <b>3.379</b>
	<a href="https://doi.org/10.1016/j.jobe.2020.101173">https://doi.org/10.1016/j.jobe.2020.101173</a>
	A comparative study of the mechanical and life cycle assessment of high-content fly ash and recycled aggregates concrete
<b>26</b>	
<b>2020</b>	Hisham Hafez, <b>Reben Kurda</b> , Rawaz Kurda, Botan Al-Hadad, Rasheed Mustafa, Barham Ali
	Applied Science
	Impact factor <sup>5y</sup> - <b>2.474</b>
	<a href="https://doi.org/10.3390/app10031018">https://doi.org/10.3390/app10031018</a>
	A Critical Review on the Influence of Fine Recycled Aggregates on Technical Performance, Environmental Impact and Cost of Concrete
<b>25</b>	
<b>2020</b>	Hisham Hafez, <b>Rawaz Kurda</b> , Wai Ming Cheung, Brabha Nagaratnam
	Journal of Cleaner Production
	Impact factor <sup>5y</sup> - <b>7.491</b>
	<a href="https://doi.org/10.1016/j.jclepro.2019.118722">https://doi.org/10.1016/j.jclepro.2019.118722</a>
	Comparative life cycle assessment between imported and recovered fly ash for blended cement concrete in the UK
<b>24</b>	
<b>2020</b>	Jorge de Brito Patrícia Rodrigues, José Silvestre, Inês Flores-Colen, Cristina Viegas, Ahmed Hawreen, <b>Rawaz Kurda</b>
	Applied Science
	Impact factor <sup>5y</sup> - <b>2.474</b>
	<a href="https://doi.org/10.3390/app10010351">https://doi.org/10.3390/app10010351</a>

	Evaluation of the ecotoxicological potential of fly ash and recycled concrete aggregates use in concrete
<b>23</b>	
<b>2020</b>	Jorge de Brito, Rawaz Kurda
	Applied Science Impact factor <sup>5y</sup> - <b>2.474</b> <a href="https://doi.org/10.3390/app10113866">https://doi.org/10.3390/app10113866</a> Special Issue Low Binder Concrete and Mortars
<b>22</b>	
<b>2019</b>	<b>Rawaz Kurda</b> , José D. Silvestre, Jorge de Brito, Hawreen Ahmed
	Journal of Cleaner Production Impact factor <sup>5y</sup> - <b>7.491</b> <a href="https://doi.org/10.1016/j.jclepro.2019.04.070">https://doi.org/10.1016/j.jclepro.2019.04.070</a> CONCRETop method: Optimization of concrete with various incorporation ratios of fly ash and recycled aggregates in terms of quality performance and life-cycle cost and environmental impacts
<b>21</b>	
<b>2019</b>	Hisham Hafez, <b>Rawaz Kurda</b> , Ming Cheung, Brabha Nagaratnam
	Journal of Cleaner Production Impact factor <sup>5y</sup> 7.491 <a href="https://doi.org/10.1016/j.jclepro.2019.118722">https://doi.org/10.1016/j.jclepro.2019.118722</a> Comparative life cycle assessment between imported and recovered fly ash for blended cement concrete in the UK
<b>20</b>	
<b>2019</b>	<b>Rawaz Kurda</b> , Jorge de Brito and José D. Silvestre
	Journal of Environmental Impact Assessment Review Impact factor <sup>5y</sup> – <b>4.261</b> <a href="https://doi.org/10.1016/j.eiar.2018.10.006">https://doi.org/10.1016/j.eiar.2018.10.006</a> CONCRETop - A multi-criteria decision method for concrete optimization
<b>19</b>	
<b>2019</b>	<b>Rawaz Kurda</b> , Jorge de Brito, José D. Silvestre
 American Concrete Institute <i>Always advancing</i>	ACI materials Journal Impact factor <sup>5y</sup> - <b>1.18</b> DOI: 10.14359/51710964 Concrete with high volume of recycled concrete aggregates and fly ash: Shrinkage behavior modeling
<b>18</b>	
<b>2019</b>	<b>Rawaz Kurda</b> , Jorge de Brito and José D. Silvestre
	Journal of CO <sub>2</sub> Utilization

	Impact factor <sup>5y</sup> - <b>6.193</b>
	<a href="https://doi.org/10.1016/j.jcou.2018.11.004">https://doi.org/10.1016/j.jcou.2018.11.004</a>
	Carbonation of sustainable concrete made with high amount of fly ash and recycled concrete aggregates for utilization CO <sub>2</sub>
<b>17</b>	
<b>2019</b>	<b>Rawaz Kurda</b> , Jorge de Brito, José D. Silvestre
	<b>Cement and Concrete Composites</b>
	Impact factor <sup>5y</sup> - <b>6.49</b>
	<a href="https://doi.org/10.1016/j.cemconcomp.2018.10.004">https://doi.org/10.1016/j.cemconcomp.2018.10.004</a>
	Water absorption and electrical resistivity of concrete with recycled concrete aggregates and fly ash
<b>16</b>	
<b>2019</b>	<b>Rawaz Kurda</b> , Jorge de Brito, José D. Silvestre
	Cement and Concrete Composites
	Impact factor <sup>5y</sup> - <b>7.035</b>
	Submitted
	A comparative study on the mechanical and life cycle assessment of concrete with high- content fly ash and recycled aggregates
<b>15</b>	
<b>2019</b>	Saeid Ghorbani, Sohrab Sharifi, Sahar Ghorbani, Vivian WY Tam, Jorge de Brito and <b>Rawaz Kurda</b>
	Resources Conservation and Recycling
	Impact factor <sup>1y</sup> – <b>8.086</b>
	Accepted
	Effect of crushed concrete waste's maximum size as partial replacement of natural coarse aggregate on the mechanical and durability properties of concrete
<b>14</b>	
<b>2019</b>	Hawreen, A., Bogas, J. A., <b>Kurda, R.</b>
	Arabian Journal for Science and Engineering
	10.1007/s13369-019-04096-y
	Mechanical Characterization of Concrete Reinforced with Different Types of Carbon Nanotubes
<b>13</b>	
<b>2019</b>	<b>Rawaz Kurda</b> , Jorge de Brito, José D. Silvestre
	Construction Magazin
	National
	Submitted/ <a href="http://www.construcaomagazine.pt/">http://www.construcaomagazine.pt/</a>
	Life cycle assessment of concrete made with high volume of recycled concrete aggregates and fly ash

## 2018

<b>12</b>	
<b>2018</b>	<b>Rawaz Kurda</b> , José D. Silvestre, Jorge de Brito, Hawreen Ahmed
	Journal of Cleaner Production
	Impact factor <sup>5y</sup> - <b>7.491</b>
	<a href="https://doi.org/10.1016/j.jclepro.2018.05.177">https://doi.org/10.1016/j.jclepro.2018.05.177</a>
	Optimizing recycled concrete containing high volume of fly ash in terms of the embodied energy and chloride ion resistance
<b>11</b>	
<b>2018</b>	<b>Rawaz Kurda</b> , José D. Silvestre, Jorge de Brito
	Resources Conservation and Recycling
	Impact factor <sup>5y</sup> - <b>8.086</b>
	<a href="https://doi.org/10.1016/j.resconrec.2018.07.004">https://doi.org/10.1016/j.resconrec.2018.07.004</a>
	Life cycle assessment of concrete made with high volume of recycled concrete aggregates and fly ash
<b>10</b>	
<b>2018</b>	Verena Göswein, Alexandre Gonçalves, José Dinis Silvestre, Fausto Freire, Guillaume Habert, <b>Rawaz Kurda</b>
	<b>Resources Conservation and Recycling</b>
	Impact factor <sup>5y</sup> - <b>8.086</b>
	<a href="https://doi.org/10.1016/j.resconrec.2018.05.021">https://doi.org/10.1016/j.resconrec.2018.05.021</a>
	Transportation matters - does it? GIS-based comparative environmental assessment of concrete mixes with cement, fly ash, natural and recycled aggregates
<b>9</b>	
<b>2018</b>	<b>Rawaz Kurda</b> , Jorge de Brito, José D. Silvestre
	Applied Science
	Impact factor <sup>5y</sup> – <b>2.474</b>
	<a href="https://doi.org/10.3390/app8071189">https://doi.org/10.3390/app8071189</a>
	Combined Economic and Mechanical Performance Optimization of Recycled Aggregate Concrete with High Volume of Fly Ash
<b>8</b>	
<b>2018</b>	Jorge de Brito, <b>Rawaz Kurda</b> , Pedro Silva
	Applied Science
	Impact factor <sup>5y</sup> - <b>2.474</b>
	<a href="https://doi.org/10.3390/app8071095">https://doi.org/10.3390/app8071095</a>
	Can We Truly Predict the Compressive Strength of Concrete without Knowing the Properties of Aggregates?
<b>7</b>	
<b>2018</b>	<b>Rawaz Kurda</b> , José D. Silvestre, Jorge de Brito
	Heliyon
	Impact factor <sup>5y</sup> -
	<a href="https://doi.org/10.1016/j.heliyon.2018.e00611">https://doi.org/10.1016/j.heliyon.2018.e00611</a>
	Toxicity and environmental and economic performance of fly ash and recycled concrete aggregates use in concrete
<b>6</b>	
<b>2018</b>	<b>Rawaz Kurda</b> , Jorge de Brito, José D. Silvestre

	Magazine of Concrete Research
	Impact factor <sup>2y</sup> - <b>2.088</b>
	<a href="https://doi.org/10.1680/jmacr.17.00216">https://doi.org/10.1680/jmacr.17.00216</a>
	Indirect evaluation of the compressive strength of recycled aggregate concrete with high fly ash ratios
<b>2017</b>	
<b>5</b>	
<b>2017</b>	<b>Rawaz Kurda</b> , José D. Silvestre, Jorge de Brito, Hawreen Ahmed
	Journal of Cleaner Production - Elsevier
	Impact factor <sup>5y</sup> - <b>7.491</b>
	<a href="https://doi.org/10.1016/j.jclepro.2017.07.236">https://doi.org/10.1016/j.jclepro.2017.07.236</a>
	Effect of incorporation of high volume of recycled concrete aggregates and fly ash on the strength and global warming potential of concrete (Highly cited paper)
<b>4</b>	
<b>2017</b>	<b>Rawaz Kurda</b> , Jorge de Brito, José D. Silvestre
	Construction and Building Materials - Elsevier
	Impact factor <sup>5y</sup> - <b>5.036</b>
	<a href="https://doi.org/10.1016/j.conbuildmat.2017.09.128">https://doi.org/10.1016/j.conbuildmat.2017.09.128</a>
	Combined influence of recycled concrete aggregates and high contents of fly ash on concrete properties
<b>3</b>	
<b>2017</b>	<b>Rawaz Kurda</b> , Jorge de Brito, José D. Silvestre
	Cement and Concrete Composites
	Impact factor <sup>5y</sup> - <b>6.49</b>
	<a href="https://doi.org/10.1016/j.cemconcomp.2017.09.009">https://doi.org/10.1016/j.cemconcomp.2017.09.009</a>
	Influence of recycled aggregates and high contents of fly ash on concrete fresh properties
<b>2</b>	
<b>2017</b>	Patrícia Rodrigues, José D. Silvestre, Inês Flores-Colen, Cristina Viegas, Jorge de Brito, <b>Rawaz Kurad</b> , Martha Demertzi
	Materials
	Impact factor <sup>5y</sup> - <b>3.424</b>
	10.3390/ma10060649
	Methodology for the assessment of the ecotoxicological potential of construction materials
<b>1</b>	
<b>2017</b>	Patrícia Rodrigues, José D. Silvestre, Cristina Viegas, Inês Flores-Colen, <b>Rawaz Kurda</b>
	Revista Internacional techITT
	<a href="https://issuu.com/techitt/docs/rit_42_vol_15_2017_v3">https://issuu.com/techitt/docs/rit_42_vol_15_2017_v3</a>
	Ecotoxicological assessment of raw materials and compositions alternative concrete (in Portuguese )

## Name of the Journals published the papers *verse* impact factor

