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PUBLICATION IN LAST FIVE YEARS

S. No.	Title, Authors and Journal	Year
1.	A novel approach to evaluate titanium dioxide nanoparticle–protein interaction through docking: an insight into mechanism of action. S Ranjan, N Dasgupta, S Chinnappan, **C Ramalingam**, A Kumar Proceedings of the National Academy of Sciences, India Section B: Biological Sciences. 87: 937–943	2017
2.	Influence of hydrocolloids in chocolate confections: A review. Priyangini FF, **Ramalingam C** Research Journal of Pharmaceutical Biological and Chemical Sciences 8: 1115-1123	2017
3.	Microwave Blanching: An Emerging Trend in Food Engineering and its Effects on *Capsicum annuum* L. Ranjan S, Dasgupta N, Walia N, Thara CC, **Ramalingam C** Journal of Food Process Engineering 40: e12411. (IF: 1.3)	2017
4.	Estimation of bioactive compounds from *Saccharum munja* extract for the evaluation of anti-oxidants and anti-bacterial activities. Tenzin, Jeyanthi P, Kumar A, Sujesh S, **Ramalingam C** Journal of Food Process Technology. 8:5-8	2017
5.	Applications of nanotechnology in agriculture and water quality management. Dasgupta N, Ranjan S, **Ramalingam C** Environmental Chemistry Letters. DOI: DOI 10.1007/s10311-017-0648-9 (IF:3.59)	2017
6.	Control of size and antimicrobial activity of green synthesized silver nanoparticles Ethiraj AS, S Jayanthi, **C Ramalingam**, C Banerjee Materials Letters 185: 526-529 (IF: 2.5)	2017
7.	Control of size and antimicrobial activity of green synthesized silver nanoparticles Ethiraj AS, S Jayanthi, **C Ramalingam**, C Banerjee Materials Letters 185: 526-529 (IF: 2.5)	2017
8.	Fish oil based vitamin D nanoencapsulation by ultrasonication and bioaccessibility analysis in simulated gastro-intestinal tract. Walia N, Dasgupta N, Ranjan S, Chen L, **Ramalingam C** Utrasonics Sonochemistry 39: 623-635 (IF: 4.0)	2017
9.	*Catharanthus roseus*-mediated zinc oxide nanoparticles against photocatalytic application of phenol red under UV@ 365 nm Aasaithambi K, Selvaraj MR, Gunabalan M, **Ramalingamn C**, Naif AAD, Mariadhas VA Current Science 111: 1811-1819 (IF: 0.8)	2016
10.	Titanium dioxide nanoparticles induce bacterial membrane rupture by reactive oxygen species generation. Ranjan S, **Ramalingam C**	2016

	Environmental Chemistry Letter 14: 487-494 (IF: 3.5)	
11.	Silver nanoparticle antimicrobial activity explained by membrane rupture and reactive oxygen generation. Dasgupta N, **Ramalingam C** Environmental Chemistry Letter 14: 477-485 (IF: 3.594)	2016
12.	A spectroscopic study on interaction between bovine serum albumin and titanium dioxide nanoparticle synthesized from microwave-assisted hybrid chemical approach Ranjan S, Dasgupta N, Srivastava N, **Ramalingam C** Journal of Photochemistry and Photobiology B: Biology 161: 472-481(IF: 2.8)	2017
13.	Rice husk as a low cost nanosorbent for 2, 4-dichlorophenoxyacetic acid removal from aqueous solutions Abigail EAM, **Ramalingam C** Ecological Engineering 92: 97-105 (IF: 2.9)	2016
14.	Application of rice husk nanosorbents containing 2, 4-dichlorophenoxyacetic acid herbicide to control weeds and reduce leaching from soil. Abigail EAM, Samuel SM, **Ramalingam C** Journal of the Taiwan Institute of Chemical Engineers. 63: 318-326. (IF: 4.2)	2016
15.	Bovine serum albumin interacts with silver nanoparticles with a “side-on” or “end on” conformation Dasgupta N, S Ranjan, D Patra, P Srivastava, A Kumar, **C Ramalingam** Chemico-biological interactions 253, 100-111(IF: 2.7)	2016
16.	Microwaveirradiation-assisted hybrid chemical approach for titanium dioxide nanoparticle synthesis: microbial and cytotoxicological evaluation S Ranjan, N Dasgupta, B Rajendran, GS Avadhani, **C Ramalingam**, Kumar A Environmental Science and Pollution Research 23: 12287-12302 (IF: 2.8)	2016
17.	Fabrication of food grade vitamin E nanoemulsion by low energy approach, characterization and its application Dasgupta N, S Ranjan, S Mundra, **C Ramalingam**, A Kumar (2016) International Journal of Food Properties 19: 700-708 (IF: 1.5)	2016
18.	Nanomaterials in food and agriculture: an overview on their safety concerns and regulatory issues Jain A, Ranjan S, Dasgupta N, **Ramalingam C** Critical Reviews in Food Science and Nutrition. DOI: 10.1080/10408398.2016.1160363. (IF: 6.1)	2016
19.	Blood coagulating effect of marigold (*Tagetes erecta* L.) leaf and its bioactive compounds Dasgupta N, S Ranjan, M Shree, MAAM Saleh, **C Ramalingam** Oriental Pharmacy and Experimental Medicine 16 (1), 67-75	2016
20.	Thermal coreduction approach to vary size of silver nanoparticle: its microbial and cellular toxicology Dasgupta N, S Ranjan, B Rajendran, V Manickam, **C Ramalingam**, Kumar A Environmental Science and Pollution Research 23 (5), 4149-4163 (IF: 2.8)	2016
21.	Addressing the environmental impacts of butachlor and the available remediation strategies: a systematic review Abigail MEA, SM Samuel, **C Ramalingam** International Journal of Environmental Science and Technology 12 (12), 4025-4036 (IF: 1.2)	2015
22.	Superintendence of antimicrobial resistance observed in bacterial flora isolated from human faecal carriage in Vellore, India	2015

	Esther SRP, **Ramalingam C**, Ramesh B Saudi Journal of Biological Science 24: 1679-168 (IF: 2.2)	
23.	Hexavalent chromium biosorption studies using *Penicillium griseofulvum* MSR1 a novel isolate from tannery effluent site: Box–Behnken optimization, equilibrium, kinetics and thermodynamic studies Samuel MS, **Ramalingam C** Journal of the Taiwan Institute of Chemical Engineers 49, 156-164 (IF: 4.2)	2015
24.	Nanotechnology in agro-food: from field to plate Dasgupta N, Ranjan S, Shaner R, Kumar A, **Ramalingam C** Food Research International 69, 381-400. (IF: 2.8)	2015
25.	Biosorption of Cr (VI) by Ceratocystis paradoxa MSR2 using isotherm modelling, kinetic study and optimization of batch parameters using response surface methodology Samuel MS, Abigai MEA, **Ramalingam C** PloS one 10, e0118999 (IF: 3.1)	2015
26.	Isotherm modelling, kinetic study and optimization of batch parameters using response surface methodology for effective removal of Cr (VI) using fungal biomass Samuel MS, Agigail EAM, **Ramalingam C** PloS one 10 (3), e0116884 (IF: 3.1)	2015
27.	Synthesis and characterization of palladium nanoparticles using *Catharanthus roseus* leaf extract and its application in the photo-catalytic degradation Kalaiselvi A, SM Roopan, G Madhumitha, **C Ramalingam**, G Elango Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 135, 116-119 (IF: 2.5)	2014
28.	Nanoscience and nanotechnologies in food industries: opportunities and research trends Ranjan, N Dasgupta, AR Chakraborty, SM Samuel, **C Ramalingam**, Shanker R, Kumar A Journal of Nanoparticle Research 16 (6), 2464 (IF: 2.2)	2014