



AL MAGNIFICO RETTORE  
DELL'UNIVERSITA' DEGLI STUDI DI MILANO

Jaison Jeevanandam

## CURRICULUM VITAE

### INFORMAZIONI PERSONALI

Cognome	Jeevanandam
Nome	Jaison
Data Di Nascita	25, 05, 1992

### OCCUPAZIONE ATTUALE

Incarico	Struttura
Senior Researcher	Madeira Chemistry Centre, University of Madeira, Madeira, Portugal.

### ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Laurea Magistrale o equivalente	Masters in Business administration (specialization in human resource management)	Pondicherry University, India	2014
Specializzazione	-	-	-
Dottorato Di Ricerca	PhD in Chemical engineering (specialization in bionanotechnology)	Curtin University, Australia and Malaysia	2018
Master	Masters in Nanoscience and nanotechnology	National Centre for Nanoscience and Nanotechnology, University of Madras, India	2014
Diploma Di Specializzazione Medica	-	-	-
Diploma Di Specializzazione Europea	-	-	-
Altro	-	-	-

### ISCRIZIONE AD ORDINI PROFESSIONALI

Data iscrizione	Ordine	Città
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## LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
English	Advanced
Tamil	Advanced
Portuguese	Basic
Malay	Basic

## PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2021	Included in the list of <b>top 2% scientist in the world</b> with more citations by Stanford University, USA.
2020	Included in the list of <b>top 2% scientist in the world</b> with more citations by Stanford University, USA.
2021-2023	<b>Postdoctoral fellowship</b> from Transnational cooperation programme Madeira-Azores-Canarias (MAC 2014-2020) towards Regional developmental fund (ERDF), Portugal to carryout research in Madeira Chemistry Center (CQM), University of Madeira, Portugal.
2020	Literati highly commended research paper award from Emerald publication for the article 'Evaluation and development of antibacterial fabrics using <i>Pongamia pinnata</i> extracts'.
2020	<b>Postdoctoral fellowship</b> from ARDITI - Agencia Regional para o Desenvolvimento da Investigacao, Tecnologia e Inovacao (Regional Agency for the Development of Research, Technology and Innovation), Portugal to carryout research in University of Madeira, Portugal.
2019	Recipient of ' <b>Best Teacher award</b> ' in Academy of competitive exam and research training (ACERT, India) for the extraordinary service as a guest faculty.
2017	Recipient of <b>Gold medal in 3rd World Invention Innovation Contest (WiC)</b> organized by Korea Invention News (KINEWS) for the project proposal entitled 'Multi-compartment antimicrobial nanoformulation for food packaging'.
2017	Recipient of <b>Special Honour of Invention award in 3rd World Invention Innovation Contest (WiC)</b> from Toronto International Society of Innovation & Advanced skills (TISIAS) and International Invention and Innovation Competition in Canada (iCAN-Toronto) for the project proposal entitled 'Multi-compartment antimicrobial nanoformulation for food packaging'.
2015	Recipient of ' <b>People's choice award</b> ' in 3-minutes thesis competition conducted by Curtin University, Malaysia.
2014-2017	Recipient of ' <b>Curtin Sarawak Postgraduate Research Scholarship</b> ', Curtin University, Malaysia.
2011	<b>"Loyola Young Environmentalist award"</b> by School of Entomology & Centre for Natural Resources Management, Loyola College, India, for being the founder, President of a student NGO - SOW, which aims in creating awareness about global warming.
2011-2012	<b>"Rev. Fr. A.J. THAMBURAJ S.J Award"</b> for popularizing environment protection and awareness by Loyola college, India.

## ATTIVITÀ DI FORMAZIONE O DI RICERCA

descrizione dell'attività
Experience in sample analysis and interpret data from Scanning electron microscope (SEM), Field emission



SEM (FESEM), High resolution transmission electron microscope (HRTEM), Fourier transform infrared (FTIR), XRD (X-ray diffractometer), Thermogravimetry analysis (TGA), Dynamic light scattering (DLS) technique, Zeta potential, Differential scanning calorimetry (DSC) and UV-Visible spectrophotometer.

Trained in microbial culture techniques (fungi, bacteria), green house management for plant growth analysis, chemical synthesis (gold, silver), poly-ol synthesis, sol-gel synthesis, sonication synthesis, green synthesis using natural sources (plants and agro-waste), microwave and ultrasound synthesis techniques of nanoparticles (MgO), wet chemical, precipitation synthesis of nanoparticles, extraction and preparation of nanocellulose, gelatin hydrogel preparation and electrospinning of nanofibers.

## ATTIVITÀ PROGETTUALE

Anno	Progetto
2020-present	Senior researcher, Centro de Química da Madeira, Universidade da Madeira, Portugal. Dendrimer nanoformulation of MgO nanoparticles for antidiabetic treatment Extraction, preparation and formulation of nanocellulose from non-native plants
2018-2020	Research consultant (remote), MKD labs, USA. <i>In silico</i> methods for the evaluation of nanomedicines
2014-2018	Enhanced synthesis and delivery of MgO nanoparticles for reverse insulin resistance in Type 2 Diabetes Mellitus
2014	Morphology dependent anti - cancer activity of MgO Nanoparticles
2013	Synthesis and characterization of MgO nano particles through sol - gel method.
2013	Synthesis and characterization of gold nanoparticles using fungi <i>Aspergillus sps.</i>

## TITOLARITÀ DI BREVETTI

Brevetto
MgO nanoparticles to reverse insulin resistance in type 2 diabetes - Australian patent in progress (2022)

## CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
2022	<b>Invited talk title:</b> Nanomedicines as a next generation therapeutic agent for diabetes treatment, In Curtin Global Campus HDR colloquium	<a href="https://gradschool.curtin.edu.my/curtin-global-campus-hdr-colloquium-2022/">https://gradschool.curtin.edu.my/curtin-global-campus-hdr-colloquium-2022/</a>
2022	<b>Invited talk title:</b> Intellectual property rights in academia, Participants: Masters students, Location: Kavery arts and science college, India (online) on August, 2022.	-
2022	<b>Invited talk title:</b> Applications of nanomaterials, Participants: Masters and doctoral students, Location: National College, India (online) on June, 2022.	-
2021	<b>Invited talk title:</b> Dental applications of Bio-nanomaterials, Participants: Masters and doctoral students, Location: Saveetha Dental College, India (online) on December, 2021.	<a href="https://saveethadental.com/new-blog/dental-applications-of-bio-nanomaterials">https://saveethadental.com/new-blog/dental-applications-of-bio-nanomaterials</a>



2021	<b>Invited talk title:</b> Small is wonderful - an introduction to nanomedicine, Participants: B. Pharm and M. Pharm students, Location: SVKM's Dr. Bhanuben Nanavati College of Pharmacy, Mumbai, India (online) on January, 2021.	<a href="https://cqm.uma.pt/cqm/news-archive/155-english/general/news/593-webinar-small-is-wonderful-an-introduction-to-nanomedicine">https://cqm.uma.pt/cqm/news-archive/155-english/general/news/593-webinar-small-is-wonderful-an-introduction-to-nanomedicine</a>
2020	<b>Invited talk title:</b> Nanomaterials for rapid detection of SARS-CoV-2, Participants: B. Sc. and M. Sc. students, Location: M. A. M. College of engineering and technology, Tamil Nadu, India (online) on June, 2020.	-
2020	<b>Invited talk title:</b> How to write a research article, Participants: B. Sc. and M. Sc. students, Location: Nandha college of arts and science, Tamil Nadu, India (online) on May, 2020.	-
2020	<b>Invited talk title:</b> Nanomedicine and its applications, Participants: Bachelors and masters students, Location: K. S. R. College of technology, Tamil Nadu, India (online) on May, 2020.	-
2017	<b>Invited talk title:</b> Emerging applications of nanomedicines, Participants: B. Pharm and M. Pharm students, Location: KMCH College of Pharmacy, Tamil Nadu, India on February, 2017.	-

## PUBBLICAZIONI

Libri
Egbuna, C., Gaman, M-A., and <b>Jeevanandam, J.</b> (Editors), Applications of nanotechnology in drug discovery and delivery (drug discovery update), Elsevier (2022). ISBN - 9780128244081.
Adetunji, C. O., Hefft, D. I., <b>Jeevanandam, J.</b> , and Danquah, M. K. (Editors), Next generation nanochitosan: applications in animal husbandry, aquaculture and food conservation, Elsevier (2022). ISBN - 9780323855938.
<b>Jeevanandam, J.</b> and Danquah, M. K. (Authors), Emerging Nanomedicines for Diabetes Theranostics, Elsevier (2022). ISBN - 9780323853965
Egbuna, C., <b>Jeevanandam, J.</b> , Patrick-Iwuanyanwu, K. C. and Onyeike, E. N. (Editors), Application of Nanotechnology in Food Science, Processing and Packaging, Springer (2022). ISBN - 9783030988197
Barhoum, A., <b>Jeevanandam, J.</b> and Danquah, M. K. (Editors), Bionanotechnology: Emerging Applications of BioNanomaterials, Elsevier (2022). ISBN - 9780128242209
Barhoum, A., <b>Jeevanandam, J.</b> and Danquah, M. K. (Editors), Fundamentals of BioNanomaterials, Elsevier (2022). ISBN - 9780128241479
<b>Jeevanandam, J.</b> and Danquah, M. K. (Editors), Research Advances in Dynamic Light Scattering, Nova Science Publication, New York, United States (2020). ISBN - 978-1-53617-260-7.

Articoli su riviste
Thimmiah, B. R., Chien, B. T. C., Fui, K. S., Yon, L. S., Nallathambi, G., <b>Jeevanandam, J.</b> , Danquah, M. K. (2022) Nanoformulation of peptides for pharmaceutical applications: in vitro and in vivo perspectives,



Applied sciences, 12 (24), 12777. IF - 2.8
Tan, K. X., Jeevanandam, J., Rodrigues, J., Danquah, M. K. (2022) Aptamer-mediated antiviral approaches for SARS-CoV-2, <i>Frontiers in Bioscience-Landmark</i> , 27 (11), 306. IF - 2.7
Liu, T., Aniagor, C. O., Ejimofor, M. I., Menkiti, M. C., Wakama, Y. M., Li, J., Akbour, R. A., Yap, P-S., Lau, S. Y., Jeevanandam, J. (2022) Recent developments in the utilization of modified graphene oxide to adsorb dyes from water: A review, <i>Journal of industrial and engineering chemistry</i> , 117, 21-37. IF - 5.2
Jeevanandam, J., Pan, S., Rodrigues, J., Elkodous, M. A., Danquah, M. K. (2022) Medical applications of biopolymer nanofibers, <i>Biomaterials Science</i> , 10, 4107. IF - 6.8
Ling, J. K. U., Sam, J. H., Jeevanandam, J., Chan, Y. S., Nandong, J. (2022) Thermal degradation of antioxidant compounds: effects of parameters, thermal degradation kinetics, and formulation strategies, <i>Food and bioprocess technology</i> , 15, 1919-1935. IF - 4.5
Anboo, S., Lau, S. Y., Kansedo, J., Yap, P. S., Hadibarata, T., Jeevanandam, J., Kamaruddin, A. H. (2022) Recent advancements in enzyme-incorporated nanomaterials: synthesis, mechanistic formation and applications, <i>Biotechnology and Bioengineering</i> , 119 (10), 2609-2638. IF - 4.5
Jeevanandam, J., Krishnan, S., Hii, Y. S., Pan, S., Chan, Y. S., Acquah, C., Danquah, M. K., and Rodrigues, J. (2022) Synthesis approach-dependent antiviral properties of silver nanoparticles and nanocomposites. <i>Journal of Nanostructure in Chemistry</i> , 12, 809-831. IF - 8
Srivastava, N., Sarethy, I. P., Jeevanandam, J., Danquah, M. K. (2022) Emerging strategies for microbial screening of novel chemotherapeutics, <i>Journal of Molecular Structure</i> , 1255, 132419. IF - 3.8
Jeevanandam, J., Kiew, S. F., Anshah, S. B., Lau, S. Y., Barhoum, A., Danquah, M. K., and Rodrigues, J. (2022) Green approaches for the synthesis of metal and metal oxide nanoparticles using microbial and plant extracts, <i>Nanoscale</i> , 14, 2534-2571. IF - 8.3
Barhoum, A., García-Betancourt, M. L., Jeevanandam, J., Hussien, E. A., Mekkawy, S. A., Mostafa, M., Omran, M. M., Abdalla, M., and Bechelany, M. (2022) Review on natural, incidental, bioinspired, and engineered nanomaterials: history, definitions, classifications, synthesis, properties, market, toxicities, risks and regulations, <i>Nanomaterials</i> , 12 (2), 177. IF - 4.9
Salama, A., Abouzeid, R., Leong, W. S., Jeevanandam, J., Samyn, P., Dufresne, A., Bechelany, M., Barhoum, A. (2021) Nanocellulose-based materials for water treatment: Adsorption, photocatalytic degradation, disinfection, antifouling and nanofiltration, <i>Nanomaterials</i> , 11 (11), 3008. IF - 4.9
Pan, S., Goudoulas, T. B., Jeevanandam, J., Tan, K. X., Chowdhury, S., Danquah, M. K. (2021) Therapeutic applications of metal and metal oxide nanoparticles: dermato-cosmetic perspective, <i>Frontiers in Bioengineering and Biotechnology</i> , 9, 724499. <a href="https://doi.org/10.3389/fbioe.2021.724499">https://doi.org/10.3389/fbioe.2021.724499</a> . IF - 5.9
Egbuna, C., Parmar, V. K., Jeevanandam, J., et al. (2021) Toxicity of nanoparticles in biomedical application: Nanotoxicology. <i>Journal of toxicology</i> , article no - 9954443. IF - 1.2
Egbuna, C., Awuchi, C. G., Jeevanandam, J., et al. (2021) Bioactive compounds effective against type 2 diabetes mellitus: a systematic review, <i>Current topics in Chemistry</i> , 21 (12), 1067-1095. IF - 4.3
Balu, S. K., Andra, S., Jeevanandam, J., Vidyavathy, S. M., Sampath, V. (2021) Emerging marine derived nanohydroxycomposite and their composites for implant and biomedical applications, <i>Journal of the mechanical behavior of biomedical materials</i> , 119, 104523. IF - 3.9
Andra, S., Balu, S. K., Jeevanandam, J., Muthalagu, M., Danquah, M. K. (2021) Surface cationization of cellulose to enhance durable antibacterial finish in phytosynthesized silver nanoparticle treated cotton fabric, <i>Cellulose</i> , 28, 5895-5910. IF - 5.9
Jeevanandam, J., Danquah, M. K., Pan, S. (2021) Plant-derived nanomaterials as a potential next generation dental implant surface modifier, <i>Frontiers in Materials</i> , 8, 130. IF - 3.5
Andra, S., Balu, S. K., Jeevanandam, J., Muthalagu, M. (2021) Emerging nanomaterials for antibacterial textile fabrication, <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 394, 1355-1382. IF - 2.2
Singh, N., Bhuker, A., Jeevanandam, J. (2021) Effects of metal nanoparticle-mediated treatment on seed quality parameters of different crops, <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 394, 1067-1089.



<b>IF - 2.2</b>
<b>Jeevanandam, J., Sabbih, G., Tan, K. X. and Danquah, M. K. (2021) Oncological ligand-target binding systems and developmental approaches for cancer theranostics, Molecular biotechnology, 63, 167 - 183. IF - 2.3</b>
Acquah, C., <b>Jeevanandam, J.</b> , Tan, K. X. and Danquah, M. K. (2021) Engineered aptamers for enhanced covid-19 theranostics, Cellular and molecular bioengineering, 14, 209-221. <b>IF - 2.3</b>
<b>Jeevanandam, J.</b> , Harun, M. R., Lau, S. Y. Sewu, D. D. and Danquah, M. K. (2020) Microalgal biomass generation via electroflotation: A cost-effective dewatering technology, Applied Sciences, 10 (24), 9053. <b>IF - 2.7</b>
<b>Jeevanandam, J.</b> , Kulabhusan, P. K., Sabbih, G., Akram, M. and Danquah, M. K. (2020) Phytosynthesized nanoparticles as a potential cancer therapeutic agent, 3 Biotech, 10, 535. <b>IF - 2.9</b>
Barhoum, A., <b>Jeevanandam, J.</b> , Rastogi, A., Boluk, Y., Dufresne, A., Danquah, M. K. and Bechelany, M. (2020) Plant cellulose, hemicelluloses, lignins, and volatile oils for the synthesis of nanoparticles and nanostructured materials, Nanoscale, 12, 22845. <b>IF - 8.3</b>
Sabbih, G. O., Korsah, M. A., <b>Jeevanandam, J.</b> and Danquah, M. K. (2020) Biophysical analysis of SARS-CoV-2 transmission and theranostic development via N protein computational characterization. Biotechnology progress, e3096. <b>IF - 2.7</b>
<b>Jeevanandam, J.</b> , Chan, Y. S., Wong, Y. G. and Hii, Y. S. (2020) Biogenic synthesis of magnesium oxide nanoparticles using <i>Aloe barbadensis</i> leaf latex extract, IOP conference Series: Materials Science and Engineering, 943 (1), 012030. <b>IF - 0.5</b>
<b>Jeevanandam, J.</b> , Chan, Y.S., Danquah, M.K. (2020) Cytotoxicity and insulin resistance reversal ability of biofunctional phytosynthesized MgO nanoparticles. 3 Biotech, 10, 489. <b>IF - 2.9</b>
<b>Jeevanandam, J.</b> , Banerjee, S. and Paul, R. (2020) Challenges and opportunities to develop diagnostics and therapeutic interventions for severe acute respiratory syndrome-coronavirus 2 (SARS-CoV-2). Journal of Biomedical Research & Environmental Sciences, 6 (10), 219-232. <b>IIF - 3.9</b>
Deborah, M., <b>Jeevanandam, J.</b> and Danquah, M. K. (2020) Probing the characteristics and biofunctional effects of disease-affected cells and drug response via machine learning applications. Critical Reviews in Biotechnology, 40 (7), 951-977. <b>IF - 8.1</b>
Siaw, Y. S., <b>Jeevanandam, J.</b> Hii, Y. S. and Chan, Y. S. (2020) Photo-irradiation coupled biosynthesis of magnesium oxide nanoparticles for antibacterial application. Naunyn-Schmiedeberg's archives of pharmacology, 393, 2253-2264. <b>IF - 2.2</b>
Tamilvanan, D., <b>Jeevanandam, J.</b> , Hii, Y. S. and Chan, Y. S. (2020) Sol-gel coupled ultrasound synthesis of photo-activated magnesium oxide nanoparticles: optimization and antibacterial studies. Canadian Journal of Chemical Engineering, 99, 502-518. <b>IF - 2.6</b>
Tan, K. X., <b>Jeevanandam, J.</b> , Pan, S., Yon, L. S. and Danquah, M. K. (2020) Aptamer-navigated copolymeric drug carrier system for in vitro delivery of MgO nanoparticles as insulin resistance reversal drug candidate in Type 2 diabetes, Journal of drug delivery science and technology, 57, 101764. <b>IF - 3.9</b>
Balu, S. K., Vidyavathy, S. M., Andra, S. and <b>Jeevanandam, J.</b> (2020) Facile biogenic fabrication of hydroxyapatite nanorods using cuttlefish bone and their bactericidal and biocompatibility study. Beilstein Journal of Nanotechnology, 11, 285-295. <b>IF - 3.7</b>
<b>Jeevanandam, J.</b> , Tan, K. X., Danquah, M.K., Guo, H. and Turgeson, A. (2020) Advancing aptamers as molecular probes for cancer theranostic applications - the role of molecular dynamics simulation. Biotechnology Journal, 15, 1900368. <b>IF - 3.5</b>
Suresh, M., <b>Jeevanandam, J.</b> , Chan, Y.S., Danquah, M.K. and Kalaiarasi, J.M.V. (2020) Opportunities for metal oxide nanoparticles as a potential mosquitocide. BioNanoScience, 10 (1), 292-310. <b>IF - 3.6</b>
<b>Jeevanandam, J.</b> , Chan, Y.S., Danquah, M.K. and Law, M.C. (2020) Cytotoxicity analysis of morphologically different sol-gel synthesized MgO nanoparticles and their in vitro insulin resistance reversal ability in adipose cells. Applied Biochemistry and Biotechnology, 190, 1385-1410. <b>IF - 2.4</b>



<p>Vanaja, A., Suresh, M. and <b>Jeevanandam, J.</b> (2019) Facile magnesium doped zinc oxide nanoparticle fabrication and characterization for biological benefits. <i>International Journal of Nanoscience and Nanotechnology</i>, 15 (4): 277-286. <b>IF - 1.3</b></p>
<p>Wong, C.W., Chan, Y.S., <b>Jeevanandam, J.</b>, Pal, K., Bechelany, M., Elkodous, M.A. (2019). Response Surface Methodology Optimization of Mono-dispersed MgO Nanoparticles Fabricated by Ultrasonic-Assisted Sol-Gel Method for Outstanding Antimicrobial and Antibiofilm Activities. <i>Journal of Cluster Science</i>, 31, 367-389. <b>IF - 3.1</b></p>
<p>Andra, S., Muthalagu, M., <b>Jeevanandam, J.</b>, Sekar, D. D., &amp; Ramamoorthy, R. (2019). Evaluation and development of antibacterial fabrics using <i>Pongamia pinnata</i> extracts. <i>Research Journal of Textile and Apparel</i>, 23 (3): 257-268. <b>IF - 1.2</b></p>
<p>Vanaja, A., <b>Jeevanandam, J.</b>, Suresh, M. (2019). Effect of precursors on structural and optical properties of sol-gel synthesized ZnO nanopowders. <i>Asian Journal of Chemistry</i>, 31 (8): 1825-1829. <b>IF - 0.6</b></p>
<p>Vanaja, A., Suresh, M., <b>Jeevanandam, J.</b>, Venkatesh, Gousia, Sk., Pavan, D., Balaji, D., Bhanu Murthy, N. (2019). Copper-doped zinc oxide nanoparticles for the fabrication of white LEDs. <i>Protection of metals and physical chemistry of surfaces</i>, 55 (3): 481-486. <b>IF - 1.2</b></p>
<p><b>Jeevanandam, J.</b>, Chan, Y.S., Danquah, M.K. (2019). Evaluating the Antibacterial Activity of MgO Nanoparticles Synthesized from Aqueous Leaf Extract. <i>Med One</i>, 4: e190011.</p>
<p><b>Jeevanandam, J.</b>, Chan, Y.S., Danquah, M.K. (2019). Zebrafish as a model organism to study nanomaterial toxicity. <i>Emerging science journal</i>, 3 (3): 195-208. <b>IF - 5.1</b></p>
<p><b>Jeevanandam, J.</b>, Chan, Y.S., Danquah, M.K. (2019). Effect of gelling agent and calcination temperature in sol-gel synthesized MgO nanoparticles. <i>Protection of metals and physical chemistry of surfaces</i>, 55 (2): 288-301. <b>IF - 1.2</b></p>
<p>Andra, S., Balu, S.K., <b>Jeevanandam, J.</b>, Muthalagu, M., Vidyabathy, M., Chan, Y.S., Danquah, M.K. (2019). Phytosynthesized metal oxide nanoparticles for pharmaceutical applications. <i>Naunyn-Schmiedeberg's archives of pharmacology</i>, 392 (7), 755-771. <b>IF - 2.2</b></p>
<p>Siang, H.Y., <b>Jeevanandam, J.</b>, Chan, Y.S. (2019). Plant mediated green synthesis and nanoencapsulation of MgO nanoparticle from <i>Calotropis gigantea</i>: Characterization and kinetic release studies. <i>Inorganic and nano-metal chemistry</i>, 48 (12): 620-631. <b>IF - 1.7</b></p>
<p><b>Jeevanandam, J.</b>, Chan, Y.S., Danquah, M.K. (2019). Effect of pH variations on morphological transformation of biosynthesized MgO nanoparticles. <i>Particulate science and technology</i>, 38 (5): 573-586. <b>IF - 2.4</b></p>
<p>Tan, K.X., Pan, S., <b>Jeevanandam, J.</b>, Danquah, M.K. (2019). Cardiovascular therapies utilizing targeted delivery of nanomedicines and aptamers. <i>International Journal of Pharmaceutics</i>, 558: 413-425. <b>IF - 5.9</b></p>
<p>Chan, Y.W., Acquah, C., Obeng, E.M., Dullah, E.C., <b>Jeevanandam, J.</b>, Ongkudan, C.M. (2019). Parametric study of immobilized cellulase-polymethacrylate particle for the hydrolysis of carboxymethyl cellulose. <i>Biochimie</i>, 157: 204-212. <b>IF - 4.1</b></p>
<p>Pal, K., Sajjadifar, S., Elkodous, M.A., Alli, Y.A., Gomes, F., <b>Jeevanandam, J.</b>, Thomas, S., Sigov, A. (2018). Soft, self-assembly liquid crystalline nanocomposite for superior switching. <i>Electronic Materials Letters</i>, 15 (1): 84-101. <b>IF - 3.0</b></p>
<p><b>Jeevanandam, J.</b>, Pal, K., Danquah, M.K. (2018). Virus-like nanoparticles as a novel delivery tool in gene therapy. <i>Biochimie</i>, 157: 38-47. <b>IF - 4.1</b></p>
<p>Thirugnanasambandan, T., Pal, K., A, Sidhu., Abd Elkodous, M., Prasath, H., Kulasekarapandian, K., Ayeshamariam, A., <b>Jeevanandam, J.</b> (2018). Aggrandize efficiency of ultra-thin silicon solar cell via topical clustering of silver nanoparticles. <i>Nano-Structures &amp; Nano-Objects</i>, 16: 224-233. <b>IF - 5.5</b></p>
<p><b>Jeevanandam, J.</b>, Barhoum, A., Chan, Y.S., Dufresne, A., Danquah, M.K. (2018). Review on nanoparticles and nanostructured materials: History, sources, toxicity and regulations. <i>Beilstein Journal of Nanotechnology</i>, 9: 1050 - 1074. <b>IF - 3.7</b></p>
<p><b>Jeevanandam, J.</b>, Chan, Y.S., Ku, Y.H. (2018). Aqueous Eucalyptus globulus leaf extract mediated</p>



biosynthesis of MgO nanorods. Applied biological chemistry, 61 (2): 197 - 208. IF - 3.2
<b>Jeevanandam, J., Chan, Y.S., Danquah, M.K. (2017).</b> Calcination-dependent morphology transformation of sol-gel synthesized MgO nanoparticles. Chemistry select, 2 (32): 10393 - 10404. IF - 2.3
<b>Jeevanandam, J., Chan, Y.S., Danquah, M.K. (2017).</b> Biosynthesis and characterization of MgO nanoparticles from plant extracts via induced molecular nucleation. New Journal of Chemistry, 41 : 2800-2814. IF - 3.6
<b>Jeevanandam, J., Chan, Y.S., Danquah, M.K. (2016).</b> Nano-formulations of drugs: recent developments, impact and challenges. Biochimie, 128: 99-112. IF - 4.1
Kumar, A. A., <b>Jeevanandam, J.</b> , Prabakaran, K., Nagarajan, R., Chan, Y.S. (2016). Water quality monitoring: A comparative case study of municipal and Curtin Sarawak's lake samples. IOP Conference Series: Materials Science and Engineering, 121(1): 012019. IF - 0.5
<b>Jeevanandam, J., Chan, Y.S., Danquah, M.K. (2016).</b> Biosynthesis of metal and metal oxide nanoparticles. ChemBioEng Reviews, 3(2): 55-67. IF - 6.2
<b>Jeevanandam, J., Danquah, M. K., Debnath, S., Meka, V.S., Chan, Y. S. (2015).</b> Opportunity for nano-formulations in type 2 diabetes mellitus treatments. Current Pharmaceutical Biotechnology, 16 (10): 853-870. IF - 2.6
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Atti di convegni
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## ALTRE INFORMAZIONI

61 book chapters. More details in google scholar profile - <a href="https://scholar.google.co.in/citations?user=GURiPEoAAAAJ&amp;hl=en&amp;authuser=1">https://scholar.google.co.in/citations?user=GURiPEoAAAAJ&amp;hl=en&amp;authuser=1</a>
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Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum, non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.

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