



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 5771

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Scienze e Politiche Ambientali**

Scientist- in - charge: **Dott. Mirko Magni**

[Name and surname]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Rajagopalan
Name	Kandeeban

PRESENT OCCUPATION

Appointment	Structure
NA	

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Bachelors in Chemistry	Bharathiar University	2015
Specialization			
PhD	Chemistry	Bharathiar University	2023
Master	Chemistry	Bharathiar University	2017
Degree of medical specialization			
Degree of European specialization			
Other			



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of	Association	City
NA			

FOREIGN LANGUAGES

Languages	level of knowledge
Tamil	Native
English	Fluent

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award

TRAINING OR RESEARCH ACTIVITY

I have cleared higher grade () in English Typewriting
I have worked as lab technician from July 2017 to June 2018 in PSGR Krishnammal College for Women where I handled HPLC, AAS, ATR-FTIR and other basic instruments
I have worked as Junior Research Fellow in Dr. K. Saminathan Lab from June 2018 to October 2019

PROJECT ACTIVITY

Year	Project
2018-2019	DST- Nanomission

PATENTS

Patent
1. 'Performance of Corrosion Inhibition of hexamethyl cyclotrisiloxane on Al 6205 alloy' – IPR (India) – Ref number 202041028836, dated – 07/07/2020
2. 'Bagasse fibre-based gel as Quasi Electrolyte for Aluminium-Air Battery' - IPR (India) – Ref number- 202241054507, dated – 23/09/2022

CONGRESSES AND SEMINARS

Date	Title	Place
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7 days (17th May – 24th May 2022)	Synergistic Training program Utilizing the Scientific and Technological Infrastructure	Punjab Agricultural University, India
28, 29 September, 2020	International Virtual Conference on Renewable Energy Science and Technology (ICREST-2020)	Alagappa University, Karaikudi, Tamil Nadu, India

PUBLICATIONS

Books
Non-Destructive Material Characterization Methods: Saminathan Kulandaivel: CH007, Elsevier, Aug 2023
Non-Destructive Material Characterization Methods: Saminathan Kulandaivel: CH006, Elsevier, Aug 2023
Articles in reviews
Kandeeban Rajagopalan, Brindha R, K. Manojkumar, Seeram Ramakrishna, P. Marappan, K Saminathan*, Organo-metallic electrolyte additives for regulating hydrogen evolution and self-discharge in Mg-air aqueous batteries, <i>New Journal of Chemistry</i> , 46, 2022, 19950-19962, Doi:10.1039/D2NJ04488A
Manojkumar K, Kandeeban Rajagopalan, Brindha Ramasubramanian, Saminathan. K*, Non-precious metal-based Integrated Electrodes for overall Alkaline water splitting, <i>Journal of the Indian Chemical Society</i> , 99, 11, 2022, 100775, Doi: 10.1016/j.jics.2022.100775.
Mohanraj Ragupathy, Brindha Ramasubramanian, Kandeeban Rajagopalan, Ayyappadasan Ganesan, Electrochemical response of the modified ZnO-G electrodes towards the oxidation of serotonin with multi metallic corrosion protection, <i>Journal of the Indian Chemical Society</i> , 99, 11, 2022, 100768, Doi:10.1016/j.jics.2022.100768.
R. Kandeeban, R. Brindha, V. Sangeetha, Seeram Ramakrishna*, A. M. Kannan, K. Manojkumar, K. Saminathan*, Examining the economic and energy aspects of Manganese oxide in Li-Ion Batteries, <i>Materials Circular Economy</i> , 4 (2022). 22, Doi: 10.1007/s42824-022-00064-4.
R. Mohanraja, R. Brindha, R. Kandeeban, M. Mahendhar, K. Saminathan, G. Ayyappadasan*, Electrochemical detection of 5- hydroxytryptamine using sustainable SnO ₂ -Graphite nano composite modified electrode, <i>Materials Letters</i> , 305 (2021). 130796, Doi: 10.1016/j.matlet.2021.130796.
R. Brindha, R. Kandeeban, K. Swarna Kamal, K. Manojkumar, V. Nithya, K. Saminathan*, Andrographis Paniculata absorbed ZnO nanofibers as a potential antimicrobial agent for biomedical applications, <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 12 (2021). 045002, Doi: 10.1088/2043-6262/ac389e.
R. Kandeeban, R. Brindha, K. Manojkumar, Khalid Mujasam Batoo, Emad H. Raslan, Muhammad Hadi, Ahamad Imran, K. Saminathan*, Revealing the synergetic electrocatalyst behaviour of Kish graphite recovered from polyethylene plastics, <i>Materials Letters</i> , 294 (2021), 129740, Doi: 10.1016/j.matlet.2021.129740.
Kandeeban Rajagopalan, Revathi. K, Revathi B, S. Vishalee, K. Manojkumar, Khalid Mujasam Batoo, K. Saminathan, P. Kathireswari*, Microwave Assisted Synthesis and Characterization of Al ₂ O ₃ , <i>Materials Today: Proceedings</i> , 48 (2022), 160 - 163 Doi: 10.1016/j.matpr.2020.05.404.



Kandeeban Rajagopalan, K. Saminathan, K. Manojkumar, and S. Krishnaraj*, "Battery economy: Past, present and future", Materials Today: Proceedings, 48 (2022), 143 – 147 Doi: 10.1016/j.matpr.2020.04.238.

Congress proceedings

OTHER INFORMATION

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: India, 06/05/2023