

## COMMUNICATION

No.03 KSR Nagar,  
Kilinjalmadu, Karaikal, Puducherry,  
India  
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velan05@gmail.com



**K.Veeravelan**

## CAREER OBJECTIVE

To work in the most challenging position in an organization that provides opportunities to learn and to contribute.

## HIGHEST QUALIFICATION WITH SUBJECT AREA OF SPECIALIZATION

• Adsorption • Chemical Kinetics • Wastewater Treatment • Surface Adsorption • Green Chemistry Technology • Environmental Chemistry • Green Chemistry.

**Teaching Experience in Year** : 0.9 (General Chemistry)

**Administration Experience in Year:** 10

<b>No. of Research Publications</b>	22	<b>SCI</b>	4	<b>SSCI</b>	1	<b>Scopus/WoS</b>	17
<b>Publication Quality Metrics</b>	<b>Research Gate</b>			<b>Google Scholar</b>			
<b>h-index</b>	4			5			
<b>i10-index</b>	-			2			
<b>Citations</b>	39			63			

<https://www.researchgate.net/profile/Veeravelan-K2>

<https://scholar.google.com/citations?hl=en&user=Vh7gePkAAAJ>

<https://www.webofscience.com/wos/author/record/JZE-3866-2024>

**Web of Science Researcher ID: JZE-3866-2024**

## PEER REVIEWER

1. Asian Journal of Chemical Sciences
2. Journal of Agriculture and Ecology Research International
3. International Journal of Biochemistry Research & Review

## DISCIPLINE OF RESEARCH WORK

**Ph.D., RESEARCH PROPOSAL:** “Adsorption Technology towards Pollutants Abatement”

**Title:** Adsorption Characteristics Study on the Removal of **Therapeutic Drug Pollution** on the Acid Digested Carbon of **Waste Leathers**

## ACADEMIC QUALIFICATION

Sl. No	Examination	University	Year of Passing	Mark Secured	GPA
1	Ph.D (Chemistry)	Bharathidasan University, Thiruchirapalli	JAN-2024	-	8.83
2	M.Sc (Chemistry)	Bharathidasan University, Thiruchirapalli	JUL-2005	73.10%	-
3	B.Sc (Chemistry)	Bharathidasan University, Thiruchirapalli	NOV-2000	58%	-

## COURSE IN SINGAPORE

Internal Auditor Training (ISO&OSHA): Oct 2010

## Publications-Articles published in Journals

1. Vicram Setiawan, **K. Veeravelan**, Ahmed Akouibaa, Heryanto Heryanto, Comparative half-value layer study of novel PbO-B<sub>2</sub>O<sub>3</sub>-CuO-CaO glasses versus previous reports, Nexus of Future Materials, 1 (2024) 126-130. DOI: [10.70128/585024](https://doi.org/10.70128/585024).
2. M. Manigandaprasath, S. Suryas, Heryanto Heryanto, **K. Veeravelan**, Removal of Pharmaceuticals from Wastewater: Acid-Digested Carbon from Waste Leather Adsorbents for Pollution Reduction from the Therapeutic Drug Mefenamic Acid, September 2024, DOI: [10.21203/rs.3.rs-5116766/v1](https://doi.org/10.21203/rs.3.rs-5116766/v1), License: CC BY 4.0.
3. S. Surya, V. Nandhakumar, **K. Veeravelan**, A.Rakini, Heryanto Heryanto, Distinctive Characterization Of The Detoxification Of Hexavalent Cr(Vi) By Pterocarpus Marsupium Bark Carbon (Pbc, Apbc, And Bpbc). July 2024, Bmc Chemistry, Doi: [10.21203/Rs.3.Rs-4802350/V1](https://doi.org/10.21203/Rs.3.Rs-4802350/V1), License : [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/)
4. S.Kadhiravan, **K. Veeravelan**, Heryanto Heryanto, A. Elavarasan, The Physiological Activities, Layout, Spectrum, And Electrochemical Properties Of Fe(Ii), Zn(Ii), And Co(Ii) Compounds, Include Pyrazine.2-Carboxylic Acid Ligand And 2,2'-Bipyridine, July 2024, Bmc Chemistry, Doi: [10.21203/Rs.3.Rs-4699722/V1](https://doi.org/10.21203/Rs.3.Rs-4699722/V1), License : [Cc By 4.0](https://creativecommons.org/licenses/by/4.0/)
5. Heryanto Heryanto, Dahlang Tahir, Bualkar Abdullah, M. I. Sayyed, Jumril Yunas, Rachid Masrour, **K. Veeravelan**, Fast Fourier Transform Implementation for Determining Band Gap Energy from UV-Vis Spectra as a Fresh Methodology, 15 June 2024, Springer, *Arabian Journal for Science and Engineering*, volume 6, issue 1, <https://doi.org/10.1007/s13369-024-09210-3>
6. Ichsan Rauf<sup>1</sup>, Heryanto Heryanto<sup>2</sup>, Dahlang Tahir<sup>2</sup>, Abd Gaus<sup>1</sup>, Asnan Rinovian<sup>3</sup>, **K. Veeravelan**, Ahmed Akouibaa<sup>5</sup>, Rachid Masrour<sup>5</sup> and Abdelilah Akouibaa<sup>6</sup>, Uncovering the potential of industrial waste: turning discarded resources into sustainable advanced materials, Published 24 May 2024, IOP Publishing Ltd, *Physica Scripta*, Volume 99, Number 6 DOI: [10.1088/1402-4896/ad4ad1](https://doi.org/10.1088/1402-4896/ad4ad1).
7. Vimala, T.,Sivarajan, A., Rajachandrasekar, T., and **K. Veeravelan**, 2024. Solar Light Driven Photocatalytic Activity of TiO<sub>2</sub> Coupled Bi<sub>2</sub>O<sub>4</sub> Nanocomposites, Eco. Env. & Cons. 30 pp. (S395- S400), DOI No.: [http://doi.org/10.53550/EEC.2023.v30i01s.079](https://doi.org/10.53550/EEC.2023.v30i01s.079),
8. Vimala, T.,Sivarajan, A., Rajachandrasekar, T., and **K. Veeravelan**, 2024. Novel TiO<sub>2</sub>coupled Bi<sub>2</sub>O<sub>4</sub> Nanocomposites for effective removal of aqueous Rose Bengal dye under UV-A light illumination, Eco. Env. & Cons. 30 pp. (S428-S432), DOI No.: [http://doi.org/10.53550/EEC.2023.v30i01s.086](https://doi.org/10.53550/EEC.2023.v30i01s.086).
9. **K.Veeravelan**, S.Arivoli\*and J.SamuSolom on, Adsorption characteristics study on The Removal of therapeutic drug Ibuprofen pollution on The Acid digested carbon of waste Leathers. International Journal of Reviews and Research in Social Sciences. 2022; 10(3):119-8. DoiNo:<https://ijrrsonline.in/AbstractView.aspx?PID=2022-10-3-6>.
10. H. Rasith Ali, P.Sudha, **K. Veeravelan** and R. Poongodi, The study utilized the

Greener Method to evaluate the soil composition of Phosphorous, Potassium and alkaline earth metals in certain soil samples from the district of Thiruvarur, Tamilnadu, India, *Eco.Env.&Cons.*29:2023.

**DOI No.:** <http://doi.org/10.53550/EEC.2023.v29i05s.075>.

11. M. Anitha, S. Arivoli and **K. Veeravelan**, Clerodendrum Serratum Activated Nano Porous Carbon By Adsorption Characteristics for Removing Cu(II) Ions from Wastewater, *Eco.Env.&Cons.* 29 : 2023.

**DOI No.:** <http://doi.org/10.53550/EEC.2023.v29i05s.071>.

12. H. Rasith Alil, P. Sudha\*2 and **K. Veeravelan**\*3, A study of the physico-chemical Analysis of chosen soil samples in the Thiruvarur district, Tamilnadu, India. *Eco. Env. & Cons.* 29 (August Suppl. Issue) : **2023**; pp. (S447-S451).DOI No.: <http://doi.org/10.53550/EEC.2023.v29i04s.069>.

13. A. Mangaiyarkarasi, S.Arivoli\* and **K. Veeravelan**. Fe (II) Ions' Adsorption Kinetics and Thermodynamics on Lagenaria siceraria Stem Nano Carbon. *Eco. Env. & Cons.* 29 (January Suppl. Issue):**2023**;pp.(S484- S493).

DOI No.: <http://doi.org/10.53550/EEC.2023.v29i01s.074>

14. A. Mangaiyarkarasi, S.Arivoli\* and **K. Veeravelan**. Lagenaria siceraria Stem Nano Carbon Adsorption Kinetics and Thermodynamics of Malachite Green Dye.*Eco. Env.& Cons.* 29 (January Suppl. Issue) :**2023**; pp. (S230-S238). DOI No.: <http://doi.org/10.53550/EEC.2023.v29i01s.036>

15. **K.Veeravelan**, S.Arivoli\* and J.Samu Solomon, Therapeutic Drug Naproxen Pollution Removal by the Acid Digested Carbon of Waste leathers, *Oriental Journal of Chemistry.* **2022**, Vol. 38, No.(5): Pg. 1227-1235: <http://dx.doi.org/10.13005/ojc/380518>.

16. **K. Veeravelan**, S. Arivoli\* and J.SamuSolomon, Removal of Therapeutic Drug Diclofenac Pollution by the Acid Digested Carbon of Waste Leathers. *Orient JChem* **2022**;38(6).

DOINo:<http://dx.doi.org/10.13005/ojc/380607>.

17. K.Kalpana, S.Arivoli\* and **K.Veeravelan**, Activated Carbon Merremia emarginata Adsorption Capacities of Low-cost Adsorbent for Removal of Methylene Blue. *Eco. Env.& Cons.* 28 (December Suppl. Issue) :**2022**; pp.(S425- S430).

DOINo.:<http://doi.org/10.53550/EEC.2022.v28i08s.064>

18. K.Kalpana, S.Arivoli\* and **K.Veeravelan**, Activated Carbon Merremia emarginata (Acme) Adsorbs Hexavalent Chromium From Synthetic Aqueous Solutions. *Eco. Env. & Cons.* 28 (December Suppl. Issue) :**2022**; pp. (S67- S73).

DOI No: <http://doi.org/10.53550/EEC.2022.v28i08s.012>.

19. **K.Veeravelan**, S.Arivoli\* and J.SamuSolomon, Adsorption

Characteristics Study on the Removal of Therapeutic Drug Ibuprofen Pollution on the Acid Digested Carbon of Waste Leathers, Eco. Env. & Cons. **2022**, 28.

DOI No.: <http://doi.org/10.53550/EEC.2022.v28i07s.080>.

20. **K. Veeravelan**, S. Arivoli\* and J. Samu Solomon, Removal of Therapeutic Drug Diclofenac Pollution by the Acid Digested Carbon of Waste Leathers. Keramische zeitschrift journal, Volume 6 Issue 10 Oct-**2022**. [ID:KZJ/2783](https://doi.org/10.1007/s12034-022-02783-1).
21. **K. Veeravelan**, S. Arivoli<sup>2\*</sup>, V. Marimuthu<sup>3</sup>, Adsorption Characteristics of AZJ-NC for Removing basic Red(III) Dye from Waste Water, Global Journal for Research Analysis, Volume-6, Issue-1, January – **2017**. [DOI: http://www.doi.org/10.36106/gjra](http://www.doi.org/10.36106/gjra).
22. **K. Veeravelan**, S. Arivoli<sup>2\*</sup>, V. Marimuthu<sup>3</sup>, Adsorption Characteristics of Zizyphus Jujuba Seed Shell Activated Nano Porus Carbon for Removing Copper(II) Ions from Waste Water, International Journal of Research-Granthaalayah.: **2016**:4, 12. 2016,4,12. [DOI: https://doi.org/10.5281/zenodo.231854](https://doi.org/10.5281/zenodo.231854).

### CONFERENCES

1. **Convener:** One-day International Seminar by Virtual on “**Decade of Cancer Research- A Road map to the USA and Material Physics Perspective for water treatment Implementation (DCR-MPWT-2024)**” On 30<sup>th</sup> August 2024.
2. **Organizing Secretary:** One-day International Seminar cum Workshop on “**Emerging Green Hydrogen Production- Home Care Products Technologies (HPHC-2024)**” on 10<sup>th</sup> April 2024.

### WORKING EXPERIENCE

3. Institution : **Sir Issac Newton Arts and Science College, India**  
Designation : Assistant Professor  
Duration : 19/02/2024 to Till Date

#### **Job Responsibility of Teaching & Research**

**Co-supervised UG, PG and Ph. D., students for tutorials, delivering lecture notes, project work, Synopsis and Thesis** in Adsorption Technology, Wastewater Treatment, Environmental Chemistry and Green Chemistry.

4. Company : **Save Technologies Pte Ltd, Singapore**  
Designation : HR cum Admin Executive  
Duration : 10/03/2011 to 18/04/2015  
[Status of Permit](#) : **Employment Pass**  
Fin No. : G6007504U
5. Company : **Leeds HR Solutions Pte Ltd, Singapore**

Designation : Recruitment Executive  
Duration : 12/09/2007 to 30/02/2011  
Status of Permit : **Employment Pass**  
Fin No. : G6007504U

**6. Company : Leeds Employment Services, Chennai(India)**

Designation : Recruitment Manager  
Duration : 01/08/2005 to 20/08/2007

**PERSONAL INFORMATION**

Father's Name : Kaliaperoumal  
Gender : Male  
Date of Birth : 09/05/1976  
Marital Status : Married  
Permanent Address : No:03 KSR Nagar, Kilinjalmedu, Karaikal,  
Pondicherry 609  
605 Language Known : English and  
Tamil

Yours Truly

(Dr.**K.VEERAVELAN**)