SCIENTIFIC CURRICULUM VITAE

1. Personal details

1	Full name:	**TRẦN NGUYỄN HẢI** (Hai Nguyen Tran)	Year of birth	14/11/1985	Male ☒; Female ☐
	Academic title:	Dr	Administrative position:		Director
2	Institution:	• Duy Tan University • Address: 254 Nguyen Van Linh, Thac Gian, Thanh Khe, Đa Nang 550000, Vietnam			
	Department:	• Center for Energy and Environmental Materials, Institute of Fundamental and Applied Sciences (IFAS) • Address: 6 Tran Nhat Duat, Tan Dinh Ward, District 1, Ho Chi Minh 700000, Vietnam			
3	Telephone:	08.3650.403	Cell phone:	(+84) 0967-070-062	
	Fax:		E-mail:	trannguyenhai2512@gmail.com trannguyenhai@duytan.edu.vn	
4	Academic profiles: (Scopus and Google Scholar) • https://www.scopus.com/authid/detail.uri?authorId=57052152100 • https://scholar.google.com.vn/citations?user=ZCNoPuYAAAAJ&hl=vi				

2. Qualifications

	Years	Academic institutions	Major	Academic degree
1	9/2013–6/2017	Chung Yuan Christian University, Taiwan	Environmental Engineering	Doctoral
2	9/2007–10/2010	Can Tho University, Vietnam	Soil Science	Master
3	9/2003–9/2007	Can Tho University, Vietnam	Land Management	Bachelor

3. Professional experience

	Years	Institution	Address	Position

1	3/2022–present	Center for Energy and Environmental Materials, IFAS, Duy Tan university	6 Tran Nhat Duat, Tan Dinh, District 1, Ho Chi Minh city, Vietnam	Director
2	6/2018–3/2022	Institute of Fundamental and Applied Sciences (IFAS), Duy Tan university	6 Tran Nhat Duat, Tan Dinh, District 1, Ho Chi Minh city, Vietnam	Researcher and Lecturer
3	10/2010–5/2018	Soc Trang Department of Natural Resources and Environment	18 Hung Vuong, Soc Trang city, Vietnam	Civil servant

4. Language (rating: A- Poor/ deficient; B- Fair; C- Sufficient; D- Fluent)

Language	Reading	Writing	Speaking
English	D	D	C
Other language	-	-	-

5. Expertise and research interests

5.1. Main research

- Solid waste management, economy circular, material science, soil science
- Advanced and innovative materials for water treatment
- Adsorption mechanism of various contaminants onto adsorbent.
- Apply various techniques for water treatment: such as adsorption, advanced oxidation processes, electrochemistry, Fenton, and photocatalysis

5.2. List of research projects

(List all the research grants/ projects received the last 5 years)

	Project name	**Funding institution & funded amount**	**Project duration**	**Position/ role in the project**
1	Development of magnetic spherical biochar from glucose and $FeCl_3$ and its application for removing paracetamol from water	Youth Development Science and Technology Center-Ho Chi Minh Communist Youth Union and Department of Science and Technology of Ho Chi Minh City	11/2020 — 11/2021	Main investigator
2	Development of carbon spheres/layered double hydroxides composites as advanced material for water treatment	The National Foundation for Science and Tecehnology Development (NAFOSTED)	9/2019 — 9/2021	Chief investigator

5.3. Publications and accomplishments

5.3.1. Article(s) in ISI journals (indexed in Web of Science): Selected

1. Tran, H.N.*, Thanh Trung, N.P., Lima, E.C., Bollinger, J.-C., Dat, N.D., Chao, H.-P., Juang, R.-S., 2023. Revisiting the calculation of thermodynamic parameters of adsorption processes from the modified equilibrium constant of the Redlich–Peterson model. *Journal of Chemical Technology & Biotechnology,* 98(2), 462-472.
2. Tran, H.N.*, Bollinger, J.-C., Lima, E.C., Juang, R.-S., 2023. How to avoid mistakes in treating adsorption isotherm data (liquid and solid phases): Some comments about correctly using Radke-Prausnitz nonlinear model and Langmuir equilibrium constant. *Journal of Environmental Management,* 325, 116475.
3. Lin, C.-W., Tran, H.N., Juang, R.-S.*, 2023. Reclamation and reuse of wastewater by membrane-based processes in a typical midstream petrochemical factory: a techno-economic analysis. Environment, Development and Sustainability.
4. Ninh, P.T.T., Ngoc Tuyen, L.T., Dat, N.D.*, Nguyen, M.L., Dong, N.T., Chao, H.-P., Tran, H.N.*, 2023. Two-stage preparation of highly mesoporous carbon for super-adsorption of paracetamol and tetracycline in water: Important contribution of pore filling and π-π interaction. *Environmental Research,* 218, 114927.
5. Zhang, X., Tran, H.N.*, Liu, Y., Yang, C., Zhang, T., Guo, J., Zhu, W., Ahmad, M., Xiao, H., Song, J.*, 2023. Nitrogen-doped magnetic biochar made with $K_3[Fe(C_2O_4)_3]$ to adsorb dyes: Experimental approach and density functional theory modeling. *Journal of Cleaner Production* 383, 135527.
6. Tran, H.N.*, Bollinger, J.-C., Salvestrini S., Chu, K.-H., Juang, R.-S., 2022. Critical review and discussion on the nonlinear form of Radke–Prausnitz model in adsorption solid–liquid phases. *Journal of Environmental Engineering,* 149(3), 03122006.
7. Ade, I.A., Tran, H.N.*, Zhang, J.-W., Wang, Y.-C., Dat, N.D., Nguyen, D.T., Chao, H.-P.*, 2022. Adsorption characteristics of lead, copper, cadmium, methylene blue, phenol, and toluene in water using composite synthesized from titanium dioxides and carbon spheres through hydrothermal method. *Journal of Water Process Engineering* 50, 103221.
8. Tran, H.N.*, 2022. Improper Estimation of thermodynamic parameters in adsorption studies with distribution coefficient K_D (q_e/C_e) or Freundlich constant (K_F): considerations from the derivation of dimensionless thermodynamic equilibrium constant and suggestions. *Adsorption Science & Technology* 2022, 5553212.
9. Tran, H.N.*, 2022. Comment on "Super-adsorbent hydrogel for removal of methylene blue dye from aqueous solution" by X.-S. Hu, R. Liang and G. Sun, J. Mater. Chem. A, 2018, 6, 17612–17624. J. Mater. Chem. A (ISSN 2050-7496), 10, 6809-6814.
10. Thi Hai Nguyen; Vinh Yien Nguyen, Paripurnanda Loganathan; Saravanamuthu Vigneswaran; Thi Hoang Ha Nguyen; Tran, H.N.; Quoc Bien Nguyen. 2022. Arsenic removal by pomelo peel biochar coated with iron. *Chemical Engineering Research and Design*, 186, 252-265.
11. Hsiao, Y.-S., Tran, H.N., Ke, J.-W., Fu, C.-C., Syu, W.-L., Liu, S.-H., Juang, R.-S.*, 2022. Porous cellulose acetate mixed-matrix membrane adsorbents for efficient clearance of p-cresol and creatinine from synthetic serum. *Journal of the Taiwan Institute of Chemical Engineers* 133, 104199.

12. Tseng, R.-L., Tran, H.N., Juang, R.-S., 2022. Revisiting temperature effect on the kinetics of liquid–phase adsorption by the Elovich equation: A simple tool for checking data reliability. *Journal of the Taiwan Institute of Chemical Engineers* 136, 104403.
13. Bollinger, J.-C.*, Tran, H.N., Lima, E.C., 2022. Comments on "Removal of methylene blue dye using nano zerovalent iron, nanoclay and iron impregnated nanoclay – a comparative study" by M. M. Tarekegn, R. M. Balakrishnan, A. M. Hiruy and A. H. Dekebo, RSC Adv., 2021, 11, 30109. RSC Advances 12(10), 5769-5771.
14. Nguyen, T.H., Tran, H.N.*, Nguyen, T.V.*, Vigneswaran, S., Trinh, V.T., Nguyen, T.D., Ha Nguyen, T.H., Mai, T.N., Chao, H.-P., 2021. Single-step removal of arsenite ions from water through oxidation-coupled adsorption using Mn/Mg/Fe layered double hydroxide as catalyst and adsorbent. *Chemosphere*, 295, 133370.
15. Tran H.N.*, Lima, E.C., Juang, R.-S., Bollinger, J.-C., Chao, H.-P., 2021. Thermodynamic parameters of liquid–phase adsorption process calculated from different equilibrium constants related to adsorption isotherms: A comparison study. *Journal of Environmental Chemical Engineering* 9, 106674.
16. Nguyen, T.H., Nguyen, A.T., Loganathan, P., Nguyen, T.V.*, Vigneswaran, S.*, Nguyen, T.H.H., Tran H.N., 2021. Low-cost laterite-laden household filters for removing arsenic from groundwater in Vietnam and waste management. *Process Safety and Environmental Protection* 152, 154-163.
17. Godfred, O.-B., Sewu, D.D., Tran, H.N. and Woo, S.H.*, 2021. Enhanced adsorption of Congo red from aqueous solution using chitosan/hematite nanocomposite hydrogel capsule fabricated via anionic surfactant gelation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 625, 126911.
18. Tran, H.N.*, Le, G.T., Nguyen, D.T., Juang, R.-S., Rinklebe, J., Bhatnagar, A., Lima, E.C., Iqbal, H.M.N., Sarmah, A.K., Chao, H.-P.*, 2021. SARS-CoV-2 coronavirus in water and wastewater: A critical review about presence and concern. *Environmental Research*, 193, 110265.
19. Lima, E.C.*, Sher, F., Guleria, A., Saeb, M.R., Anastopoulos, I., Tran, H.N., Hosseini-Bandegharaei, A., 2021. Is one performing the treatment data of adsorption kinetics correctly? *Journal of Environmental Chemical Engineering*, 104813.
20. Tomul, F., Arslan, Y., Kabak, B., Trak, D., Tran, H.N.*, 2020. Adsorption process of naproxen onto peanut shells-derived biosorbent: Important role of n-π interaction and van der Waals force. *Journal of Chemical Technology & Biotechnology*, 96(4), 869-880.
21. Tomul, F., Arslan, Y., Kabak, B., Trak, D., Kendüzler, E., Lima, E.C., Tran, H.N.*, 2020. Peanut shellsderived biochars prepared from different carbonization processes: Comparison of characterization and mechanism of naproxen adsorption in water. *Sci. Total Environ.* 726, 137828.
22. Sewu, D.D., Tran, H.N., Ohemeng-Boahen, G., Woo, S.H.*, 2020. Facile magnetic biochar production route with new goethite nanoparticle precursor. *Sci. Total Environ.*, 717, 137091.
23. Tran, H.N.*, Tomul, F., Nguyen, H.T.H., Nguyen, D.T., Lima, E.C., Le, G.T., Chang, C.-T., Masindi, V., Woo, S.H.*, 2020. Innovative spherical biochar for pharmaceutical removal from water: Insight into adsorption mechanism. *J. Hazard. Mater.*, 394, 122255.

24. Eder C. Lima*, Adriano A. Gomes, Tran, H.N. 2020. Comparison of the nonlinear and linear forms of the van't Hoff equation for calculation of adsorption thermodynamic parameters (ΔS° and ΔH°). Journal of Molecular Liquids, 311, 113315.
25. Tran, H.N.*, 2020. Comments on "Puffed Rice Carbon with Coupled Sulfur and Metal Iron for High-Efficiency Mercury Removal in Aqueous Solution. Environmental Science & Technology, 54, 12, 7725–7726.
26. Van, H.T., Nguyen, L.H., Nguyen, V.D., Nguyen, X.H., Nguyen, T.H., Nguyen, T.V., Vigneswaran, S., Rinklebe, J. and Tran, H.N.*, 2019. Characteristics and mechanisms of cadmium adsorption onto biogenic aragonite shells-derived biosorbent: Batch and column studies. *J. Environ. Manage.*, 241, 535–548.
27. Nguyen, T.H., Tran, H.N., Vu, H.A., Trinh, M.V., Nguyen, T.V.*, Loganathan, P., Vigneswaran, S.*, Nguyen, T.M., Trinh, V.T., Vu, D.L. and Nguyen, T.H.H., 2019. Laterite as a low-cost adsorbent in a sustainable decentralized filtration system to remove arsenic from groundwater in Vietnam. *Sci. Total Environ*., 699, 134267.
28. Sewu, D.D., Lee, D.S.*, Tran, H.N. and Woo, S.H.*, 2019. Effect of bentonite-mineral co-pyrolysis with macroalgae on physicochemical property and dye uptake capacity of bentonite/biochar composite. *J. Taiwan Inst. Chem. Eng.*, 140, 106-113.
29. Tran, H.N.*, Nguyen, D.T., Le, G.T., Tomul, F., Lima, E.C., Woo, S.H., Sarmah, A.K., Nguyen, H.Q., Nguyen, P.T., Nguyen, D.D., Nguyen, T.V., Vigneswaran, S., Vo, D.-V.N., and Chao, H.-P.*, 2019. Adsorption mechanism of hexavalent chromium onto layered double hydroxides-based adsorbents: A systematic in-depth review. Journal of Hazardous Materials 373, 258–27.
30. Chao, H.-P.*, Hsieh, L.-H.C. and Tran, H.N., 2018. Increase in volatilization of organic compounds using air sparging through addition in alcohol in a soil-water system. *J. Hazard. Mater.*, 344, 942–949.
31. Chao, H.-P.*, Wang, Y.-C. and Tran, H.N.*, 2018. Removal of hexavalent chromium from groundwater by Mg/Al-layered double hydroxides using characteristics of in-situ synthesis. *Environ. Pollut.,* 243, 620–629.
32. Lin, S.-T., Tran, H.N.*, Chao, H.-P. and Lee, J.-F.*, 2018. Layered double hydroxides intercalated with sulfur-containing organic solutes for efficient removal of cationic and oxyanionic metal ions. Appl. Clay Sci. 162, 443–453.
33. Chatterjee, S., Tran, H.N., Godfred, O.-B. and Woo, S.H.*, 2018. Supersorption capacity of anionic dye by newer chitosan hydrogel capsules via green surfactant exchange method. *ACS Sustain. Chem. Eng.,* 6(3), 3604–3614.
34. Vu, M.T., Chao, H.-P., Van Trinh, T., Le, T.T., Lin, C.-C. and Tran, H.N.*, 2018. Removal of ammonium from groundwater using NaOH-treated activated carbon derived from corncob wastes: Batch and column experiments. *J. Clean. Prod.,* 180, 560–570.
35. Tran, H.N., Viet, P.V. and Chao, H.-P.*, 2018. Surfactant modified zeolite as amphiphilic and dual-electronic adsorbent for removal of cationic and oxyanionic metal ions and organic compounds. *Ecotoxicol. Environ. Saf.,* 147, 55–63.
36. Tran, H.N. and Chao, H.-P.*, 2018. Adsorption and desorption of potentially toxic metals on modified biosorbents through new green grafting process. *Environ. Sci. Pollut. Res,* 25(13), 12808–12820.

37. Tran, H.N.*, You, S.-J., Hosseini-Bandegharaei, A. and Chao, H.-P.*, 2017. Mistakes and inconsistencies regarding adsorption of contaminants from aqueous solutions: A critical review. Water Res. 120, 88–116.
38. Tran, H.N.*, You, S.-J.* and Chao, H.-P.*, 2017. Fast and efficient adsorption of methylene green 5 on activated carbon prepared from new chemical activation method. J. Environ. Manage. 188, 322–336.
39. Tran, H.N.*, Wang, Y.-F., You, S.-J.* and Chao, H.-P.*, 2017. Insights into the mechanism of cationic dye adsorption on activated charcoal: The importance of π–π interactions. Process Saf. Environ.107, 168–180.
40. Tran, H.N.*, You, S.-J.* and Chao, H.-P.*, 2017. Insight into adsorption mechanism of cationic dye onto agricultural residues-derived hydrochars: Negligible role of π-π interaction. Korean J. Chem. Eng. 34(6), 1708-1720.
41. Tran, H.N.*, Lee, C.-K., Vu, M.T. and Chao, H.-P.*, 2017. Removal of copper, lead, methylene green 5, and acid red 1 by saccharide-derived spherical biochar prepared at low calcination temperatures: Adsorption kinetics, isotherms, and thermodynamics. Water Air Soil Poll. 228(10), 401–417.
42. Tran, H.N.*, You, S.-J.*, Nguyen, T.V. and Chao, H.-P.*, 2017. Insight into the adsorption mechanism of cationic dye onto biosorbents derived from agricultural wastes. Chem. Eng. Commun. 204(9), 1020–1036.
43. Tran, H.N., Huang, F.-C., Lee, C.-K. and Chao, H.-P.*, 2017. Activated carbon derived from spherical hydrochar functionalized with triethylenetetramine: synthesis, characterizations, and adsorption application. Green Process. Synth. 6(6), 565–576.
44. Tran, H.N., You, S.-J.* and Chao, H.-P.*, 2016. Effect of pyrolysis temperatures and times on the adsorption of cadmium onto orange peel derived biochar. Waste Manag. Res. 34(2), 129–138.
45. Tran, H.N.*, You, S.-J.* and Chao, H.-P.*, 2016. Thermodynamic parameters of cadmium adsorption onto orange peel calculated from various methods: A comparison study. J. Environ. Chem. Eng. 4(3), 2671–2682.

5.3.2. Article(s) in other international journals *(indexed in Scopus):*

1. Trần, H.N.*, 2022. Differences between chemical reaction kinetics and adsorption kinetics: Fundamentals and discussion. Journal of Technical Education Science, 70B, 33-47.
2. Mai, T.T., Nguyễn, Đ.D., Nguyễn, Đ.T., Vũ, M.T., Trần, H.N.*, 2021. Vật liệu composite từ nano hydroxit (hoặc oxit) lớp kép và than sinh học hình cầu: Ứng dụng trong xử lý màu Congo đỏ và xanh methylen trong nước. Tạp chí Phát triển Khoa học và Công nghệ – Kĩ thuật và Công nghệ, Vol. 4) SI1-SI15.

5.3.3. Article(s) in national journals:

1. Trần, H.N.*, 2022. Differences between chemical reaction kinetics and adsorption kinetics: Fundamentals and discussion. Journal of Technical Education Science, 70B, 33-47.
2. Mai, T.T., Nguyễn, Đ.D., Nguyễn, Đ.T., Vũ, M.T., Trần, H.N.*, 2021. Vật liệu composite từ nano hydroxit (hoặc oxit) lớp kép và than sinh học hình cầu: Ứng dụng trong xử lý màu Congo đỏ và xanh methylen trong nước. Tạp chí Phát triển Khoa học và Công nghệ – Kĩ thuật và Công nghệ, Vol. 4) SI1-SI15.

5.3.4. Books/Book Chapters:

1. Lima, É.C., Dehghani, M.H., Guleria, A., Sher, F., Karri, R.R., Dotto, G.L. and Tran, H.N. (2021). CHAPTER 3 - Adsorption: Fundamental aspects and applications of adsorption for effluent treatment. Green Technologies for the Defluoridation of Water. Hadi Dehghani, M., Karri, R. and Lima, E. (eds), pp. 41–88, Elsevier (DOI: 10.1016/B978-0-323-85768-0.00004-X).
2. Anastopoulos, I.; Robalds, A.; Tran, H.N.*; Mitrogiannis, D.; Giannakoudakis, D. A.; Hosseini-Bandegharaei, A.; Dotto, G. L., Leaf Biosorbents for the Removal of Heavy Metals. In *Green Adsorbents for Pollutant Removal: Innovative materials*, Crini, G.; Lichtfouse, E., Eds. Springer International Publishing: Cham, 2018; 87–126 (DOI: 10.1007/978-3-319-92162-4_3).
3. Tran, H.N.*; Wang, Y.; You, S.; Chao, H., Sustainable biochar derived from agricultural wastes for removal of methylene green 5 from aqueous solution: Adsorption kinetics, isotherms, thermodynamics, and mechanism analysis. *Air, Gas, and Water Pollution Control Using Industrial and Agricultural Solid Wastes Adsorbents* (1st Edition). *Boca Raton: CRC Press.* 2017, 255–291 (DOI: 10.1201/9781351228145-12).

6. Editorial advisory board member

Editor/Academic Editor/Associate Editor:

1. Water Science and Technology (IWA; ISSN 0273-1223)
2. Adsorption Science & Technology (SAGE; ISSN: 0263-6174)

Editorial Board Member:

3. Journal of Chemical Technology and Biotechnology (John Wiley & Sons; ISSN: 0268-257)
4. Science of the Total Environment (Elsevier; ISSN: 0048-9697)
5. Chemosphere (Elsevier; ISSN: 0045-6535)
6. Separation & Purification Reviews (Taylor & Francis; ISSN: 1542-2119)

❑ **Guest Editor:**

7. Clean - Soil, Air, Water (Wiley; ISSN: 1863-0669). Special issue on "Nanotechnology in Environmental Pollution Control" (open for submissions)
8. Water (MPDI; ISSN: 2073-4441). Special Issue on "Adsorption Technology for Water and Wastewater Treatments" (open for submissions)
9. Journal of Environmental Chemical Engineering (Elsevier; ISSN: 2213-3437). Special Issue on "Removal of emerging contaminants from water using alternative adsorbents" (Published).
10. Journal of Nanomaterials (Hindawi; ISSN: 1687-4110). Special Issue on "Metal oxide nanomaterials for safe and sustainable water treatment technologies" (Published).
11. Separation & Purification Reviews (Taylor Francis; ISSN: 1542-2119). Special Issue on Mistakes and inconsistencies regarding sorption" (Published).

7. Reviewers

➢ **American Chemical Society (ACS)**

1. Energy & Fuels
2. Industrial & Engineering Chemistry Research
3. ACS Omega
4. The Journal of Physical Chemistry
5. ACS ES&T Water

➢ **American Society of Civil Engineers (ASCE)**

Journal of Environmental Engineering

➢ **International Water Association (IWA)**

1. Journal of Water Reuse and Desalination
2. Water Science and Technology
3. Blue-Green Systems

➢ **Elsevier publisher**

1. Chemical Engineering Journal
2. Water research
3. Journal of Hazardous Materials
4. Bioresource Technology
5. Carbon
6. Desalination
7. Journal of Cleaner Production
8. Science of the Total Environment
9. Environmental Pollution
10. Separation and Purification Technology
11. Chemosphere
12. Journal of Environmental Management
13. Environmental Research
14. Fuel
15. Journal of Environmental Chemical Engineering
16. Environmental Technology & Innovation
17. Applied Surface Science
18. Journal of Water Process Engineering
19. Ecotoxicology and Environmental Safety
20. Industrial Crops & Products
21. Arabian Journal of Chemistry
22. Current Opinion in Chemical Engineering
23. Surfaces and Interfaces
24. Applied Clay Sciences
25. Colloids and Surfaces A: Physicochemical and Engineering Aspects
26. Journal of the Taiwan Institute of Chemical Engineers
27. Sustainable Chemistry and Pharmacy
28. Materials Chemistry and Physics
29. Heliyon
30. Materials Letters
31. Comptes rendus Chimie
32. Water Science and Engineering
33. Environmental Nanotechnology, Monitoring & Management
34. Chemical Engineering Journal Advances
35. Journal of Hazardous Materials Advances
36. Case Studies in Chemical and Environmental Engineering
37. Advanced Powder Materials

➢ **Springer publisher**

1. Environmental Chemistry Letters
2. Journal of Nanostructure in Chemistry
3. Applied Water Science
4. Environmental Science and Pollution Research
5. Environmental Geochemistry and Health
6. Journal of Polymers and the Environment
7. Journal of Materials Science
8. Environment, Development and Sustainability
9. Biomass Conversion and Biorefinery
10. Archives of Environmental Contamination and Toxicology
11. International Journal of Environmental Science and Technology
12. Journal of Inorganic and Organometallic Polymers and Materials
13. Waste and Biomass Valorization
14. Environmental Monitoring and Assessment
15. Korean Journal of Chemical Engineering
16. Research on Chemical Intermediates
17. Journal of Polymer Research
18. Water, Air, & Soil Pollution
19. Catalysis Letters
20. Journal of Molecular Modeling
21. Reaction Kinetics, Mechanisms and Catalysis
22. Nanotechnology for Environmental Engineering
23. SN Applied Sciences
24. Emergent Materials
25. Environmental Processes
26. Polytechnica
27. Phenomics
28. Carbon research

➢ **Royal Society of Chemistry**

1. Journal of Materials Chemistry A
2. Environmental Science: Nano
3. Environmental Science: Water Research & Technology
4. Dalton Transactions
5. RSC Advances
6. New Journal of Chemistry
7. Royal Society Open Science

➢ **Mary Ann Liebert, Inc.** Environmental Engineering Science	➢ **Taylor & Francis publisher** 1. Critical Reviews in Environmental Science and Technology 2. Separation & Purification Reviews 3. International Journal of Phytoremediation 4. Journal of Natural Fibers 5. Journal of Taibah University for Science 6. Separation science and technology 7. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects 8. Chemical Engineering Communication 9. Journal of Dispersion Science and Technology 10. International Journal of Cast Metals Research **11.** Indian Chemical Engineer
➢ **Wiley** 1. Environmental Toxicology and Chemistry 2. Applied Organometallic Chemistry 3. Journal of Chemical Technology & Biotechnology 4. Water Environment Research 5. Environmental Progress & Sustainable Energy 6. IET Nanobiotechnology 7. Asia-Pacific Journal of Chemical Engineering 8. International Journal of Chemical Kinetics	
➢ **Walter de Gruyter** 1. Green Processing and Synthesis 2. Polish Journal of Chemical Technology	➢ **Hindawi Publishing Corporation** 1. Journal of Nanomaterials 2. Journal of Chemistry 3. International Journal of Chemical Engineering 4. Advances in Materials Science and Engineering
➢ **MDPI-Publisher of Open Access Journals** 1. Foods 2. Polymers 3. Molecules 4. International Journal of Environmental Research and Public Health 5. Sustainability 6. Materials 7. Water 8. Processes 9. Crystals 10. Surfaces	➢ **Iopscience** 1. Journal of The Electrochemical Society 2. Materials Research Express ➢ **Nature Research** Scientific Reports ➢ **BMC (BioMed Central)** BMC Chemistry ➢ **The Public Library of Science** PLOS One ➢ **World Scientific** Modern Physics Letters B
➢ **Frontiers** 1. Frontiers in Environmental Science **2.** Frontiers in Ecology and Evolution ➢ **Ministry of Science and Technology of Vietnam** Vietnam Journal of Science, Technology and Engineering	➢ **NC state university** Bioresources ➢ **Global Nest** Global NEST Journal
➢ **Bentham science** Current Nanoscience ➢ **Techno Press** 1. Membrane and Water Treatment 2. Advances in Environmental Research ➢ **Silpakorn University** Science, Engineering and Health Studies	➢ **Gh. Asachi Technical University of Iasi** Environmental Engineering and Management Journal ➢ **Chemical Society of Pakistan** Journal of the Chemical Society of Pakistan ➢ **SAINS TANAH** Journal of Soil Science and Agroclimatology

➢ **Industrial University of HCMC** Journal of Science and Technology	➢ **VNCHCM Press** Science & Technology Development Journal - Engineering and Technology (STDJET)

8. Awards and Honours

- ✓ Listed 100,000 top scientists around the world 2021 (my rank: 13.713/100,000 and self-citation: 6.24%) published by PLOS Biology, updated 2022.
- ✓ Listed 100,000 top scientists around the world 2021 (my rank: 14.704/100,000 and self-citation: 8.85%) published by PLOS Biology, updated 2021 (DOI: 10.17632/btchxktzyw)
- ✓ Listed 100,000 top scientists around the world 2020 (rank 25.844/100.000 and self-citation: 13.56%) published by PLOS Biology (DOI: 10.1371/journal.pbio.3000384).

- ✓ 2019 Golden Globe Award (the Ho Chi Minh City Communist Youth Union Central Committee and the Ministry of Science & Technology)
- ✓ An honorary member of the Phi Tau Phi Scholastic Honour Society of the Republic of China from 1st June 2017. "*This Society aims to encourage scholarship, stimulate research, reward scholastic achievement, and form bonds of intellectual and professional fellowship*".
- ✓ Travel grant award:

  award by the Vietnam National Foundation for Science and Technology Development (220/QĐ-HĐQL-NAFOSTED; date: 24/10/2019) for attending the conference "IBI Biochar World Congress 2019" held from 10–14 November 2019 in Korea University, Seoul, Korea.

  award by Ministry of Science Technology (MOST) in Taiwan 2016 for attending the conference "*The 31th International Conference on Solid Waste Technology and Management*" organized at Widener University, Philadelphia, PA U.S.A.
- ✓ Waste Management & Research Rising Star Award (2016) for our outstanding contribution to WM&R: "*Effect of pyrolysis temperatures and times on the adsorption of cadmium onto orange peel derived biochar*".
- ✓ Distinguished International Graduated Student scholarship (DIGS) award by Chung Yuan Christian University, Taiwan to pursue the PhD program in Chung Yuan Christian University, Taiwan (9/2013–9/2016).
- ✓ Selected paper by the JECE editors: "Thermodynamic parameters of cadmium adsorption onto orange peel calculated from various methods: A comparison study" has been selected by the JECE editors for eight recently published papers focusing on the application of adsorption technology for the treatment of waters and wastewaters.