Faculty Profile

Dr. P. A. Vivekanand

Professor, Department of Chemistry (Science and Humanities)

HIGHLIGHTS:

- Number of Journal Publications: 54
- H-Index: 12

- Project Funding Received: 4 (Completed-Abroad& India); 3 (Under Review)
- Patents Published: 5

PROFESSIONAL LINKS:

- Scopus ID: 25928791100
- Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=25928791100
- Google Scholar ID: https://scholar.google.com/citations?user=0xVaPZkAAAAJ&hl=en
- Anna University Faculty ID: 2122411
- AICTE Faculty ID: 1_3590733533
- Anna University Supervisor ID: 3270001
- LinkedIn: https://www.linkedin.com/in/dr-vivek-8812331aS/

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 19 Y
- Industrial Experience: 1.9 Y

INTERNATIONAL EXPOSURE:

- Post-Doctoral Scientist, Department of Environmental Engineering, Hungkuhang University, Shalu, Taichung, Taiwan – 2009 to 2012

AREA OF SPECIALIZATION:

- Sonochemistry
- Catalysis
- Ionic Liquids
- Materials
- Corrosion
- Environmental Studies

- Nanochemistry
- Polymers
- Microwave Irradiation

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time
1	K.Chinnaraj	To submit		
2	M.Mugshkanna	To submit		
3	L.Ramya	To submit		
4	B.Kalaivani	To submit		

Ph.Ds GUIDING:

- **Full Time Scholars: 4 Research Scholars (Registered under Centre for Research Anna University)**
- **Part Time Scholars : 2**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- DST SERB
- TNSCST(Under Review)
- Ministry of Environment, Forest and Climate Change(Under Review)

PUBLICATIONS

(Selective)

1. M.Keerthana, T. Pushpa Malini, P. Kamaraj , **Vivekanand. P.A.** , R.Arulnangai, S.John Santosh Kumar S.Harikumar, Natarajan Arumugam, Abdulrahman I. Almansour, Karthikeyan Perumal, Synthesis of lutetium doped cerium oxide nanoparticles by chemical precipitation and their role in efficient removal of water pollutant brufen by photocatalytic degradation, Journal of Taiwan Institute of Chemical Engineers, 2025,166, 105118.
2. John Santhosh Kumar, P. Kamaraj, **Vivekanand. P.A.** , Govindasami Periyasami, Mostafizur Rahaman, U. T. Uthappa, Selvakumar Palaniappan, Design of novel poly(propranolol) acrylate and methacrylate polymers through radical polymerization for antibacterial activity and metal ion adsorption, International Journal of Polymer Science, 2024, ,Volume 2024, Article ID 6626223.

3. A. Kesavan, T. Rajakumar, M. Karunanidhi, A. Ravi, **Vivekanand. P.A.,** P. Kamaraj, Natarajan Arumugam, S. Hari Kumar, Karthikeyan Perumal,Sinouvassane

Djearamane, Mohammod Aminuzzaman,A Comparative analysis of PESC and PPSC copolyesters: Insights into viscosity, thermal behavior, crystallinityand biodegradability, Heliyon 10 (2024) e24728.

4. Mulusew Alehegn , Girma Gonfa , **Vivekanand. P.A.** , Basant Lal, Valorization of castor seed shell waste as lead adsorbent by treatment with hot phosphoric acid: Optimization and evaluation of adsorption properties, June 2024,Chemosphere 362:142655.

5. Prajwal Lourdes Lobo, Boja Poojary, Lydia J, **Vivekanand. P.A. ,**Molecular Docking and ADME Profiling of 5-(Substituted Benzylidene)-2-(Arylamino)-1,3-Thiazol-4(5H)-ones: Insights into Pharmacokinetics and Binding Interactions, Journal of Texila, *In Press*, 2025.

6. P. Kamaraj, **Vivekanand. P.A.**, C.K.Senthil Kumar, Zinc Oxide Nanoparticles and their Significant Role In Industrial and Healthcare Applications, Journal of Harbin Engineering University,Accepted, 2025.

7. Rajesh Raju, Raghavachary Raghunathan, Natarajan Arumugam, Abdulrahman I. Almansour, Raju Suresh Kumar, **Vivekanand. P.A.** , Cheriyan Ebenezer, Rajadurai Vijay Solomon and Karthikeyan Perumal Environmentally friendly synthesis and computational studies of novel class of acridinedione integrated spirothiopyrrolizidines/indolizidines, Green Processing and Synthesis 2023; 12: 20230036(**I.F= 4.3**).

8. M. Senthilkumar, P. Manisankar, R. Pandimurugan, **Vivekanand. P.A.**, Govindasami Periyasami, S.Harikumar, Perumal Karthikeyan, Mostafizur Rahaman, Santosh Khanal, Nano-Pd/chitosan composite: an extremely effective catalyst to the synthesis of pyrazolyl analogues through Suzuki-Miyaura cross-coupling reactions in aqueous medium, Journal of Chemistry, 2023, Volume 2023, Article ID 6594464,(**I.F= 3.0**)
9. V. Ratchagar, M. Muralidharan, M. Silambarasan, K. Jagannathan, P. Kamaraj, Suresh Kumar Subbiah, **Vivekanand. P.A.**, Govindasami Periyasami, Mostafizur Rahaman, Perumal Karthikeyan, Girma Gonfa, Coprecipitation methodology synthesis of Cobalt-oxide nanomaterials influenced by pH conditions: Opportunities in optoelectronic applications, International Journal of Photoenergy,2023, Volume 2023 | Article ID 2493231 ,(**I.F= 3.2**,)
10. C. Raveendiran, P. Prabukanthan, J. Madhavan, **Vivekanand. P.A.** *, N.Arumugam, Abdulrahman I. Almansour, P.Karthikeyan, Synthetic Pathway of 2-Fluoro-N, N-diphenylbenzamide with Opto-electrical properties: NMR, FTIR, UV-Vis spectroscopic and DFT computational studies of the First order Non-Linear Optical Organic Single Crystal, Green Processing and Synthesis, 2022, 11(1):1148-1162,(I.F= 3.9).
11. V. Thirupugazhmani, A. Ravi, **Vivekanand. P.A.** *, P. Kamaraj, N. Arumugam, A. I. Almansour, R. Suresh Kumar, Ultrasonic assisted synthesis of RGO supported HoVO4-ZnO nanocomposites, their enhanced photocatalytic activities and Rhodamine B degradation,Environmental Research,214, 2022, 113743.(**I.F= 8.42**).

12. D Jini, M Aravind, **Vivekanand. P.A.** , P. Kamaraj, Natarajan Arumugam, Abdulrahman I. Almansour, Girma Gonfa, Synthesis, Growth and Characterization of Methyl Orange Dye Doped Potassium Sulphate Single Crystal and its Multifaceted Activities, Advances in Materials Science and Engineering, Volume 2022, Article ID 4020288, (I.F= 2.4).
13. J. Sani Ibrahim, R. Sanmugapriya, J. Arockia Selvi, T. Pushpa Malini, P. Kamaraj **P. A. Vivekanand**, Govindasami Periyasami, Ali Aldalbahi,Karthikeyan Perumal, J. Madhavan and Santosh Khanal, Effect of 3-Nitroacetophenone on Corrosion Inhibition of Mild Steel in Acidic Medium, International Journal of Photoenergy, volume 2022 |ArticleID 276670/ (I.F= 3.2)
14. P. Durairaju, C.Umarani, G. Periyasami, **Vivekanand. P.A.** , Mostafizur Rahaman, Synthesis and *in vitro* antimicrobial evaluation of photoactive multi-block chalcone conjugate phthalimide and 1,8-naphthalimide novolacs , Polymers, 2021, 13, 1859(I.F=5.0).
15. P.Kamaraj, **Vivekanand. P.A.** , Book on Wastewater Treatment Chemistry, Notion Press, 2021(ISBN: 9781637458167).
16. M. Manju, S. Suresh, **Vivekanand. P.A.** , S. Gunasekaran, S. Srinivasan,C.S.Biju, Vibrational spectroscopic investigation and Antibacterial activity studies on Trichloroisocyanuric Studies, Material Today Proceedings Journal, 2021, 36, 857-862.
17. T. Annamalai , **Vivekanand. P.A.** , A.A.M. Prince, Novel solution for oral diseases using Indian Medicinal plant Manilkara hexandra Roxb , Material Today Proceedings Journal, 2021, 36, 818-823.
18. **Vivekanand. P.A.** , T.K.S.Fayaz S.Harikumar , ,P.Kamaraj, Enhanced Catalytic Activity of New Di-Site Onium Salt in the Kinetics of α-Tolunitrile Monoalkylation, Material Today Proceedings Journal, 2021 36, 848-852.
19. J.Nagadeep, P. Kamaraj, M. Arthanareeswari, P.A.Vivekanand, Identification of Tartaric Acid Adduct Impurities in Dipyridamole Capsule Formulation Related Substances Method, Asian Journal of Chemistry(2021) , 33(2), 307-313.
20. R. Arul Nangai, M. Mohamed Sihabudeen, **Vivekanand. P.A.** , P.Kamaraj, Influence of physico chemical parameters on potability of ground water in ariyalur area of Tamil Nadu,India, Material Today Proceedings Journal, 2021, 36, 923-928.
21. S. Lavakumar, P.A. Vivekanand, A.A.M. Prince, Determination of Frequently Used Parabens in Shampoo and Conditioners using a validated HPLC Assay Method, Asian Journal of Chemistry,2021,33, 1651-1655.
22. P.Kamaraj, M.Sridharan, Vennila raj, J.Arockiaselvi,T.Pushpamalini, **Vivekanand. P.A.** , Low cost Synthesis of ZnO nanoparticles and evaluation of their Photocatalytic activities, Material Today Proceedings Journal, 2021, 36, 873-877.
23. S.Lavakumar, **Vivekanand. P.A.** , A.A.A.M.Prince, Simultaneous analysis of octylmethoxycinnamate and butylmethoxydibenzoylmethane in sunscreen products by a validated UV-spectrophotometric method, Material Today Proceedings Journal, 2021,36,893-897.
24. M. Sridharan, P.Kamaraj, **Vivekanand. P.A.** , Synthesis, Characterization and Evaluation of biosynthesized Cerium oxide Nanoparticlefor its anticancer activity on breast cancer cell(MCF 7) Material Today Proceedings Journal, 2021, 36, 914-919.

25. S. Hari Kumar, S. Karthikeyan, **Vivekanand. P.A.** , The inhibitive effect of Cloxacillin on Mild steel Corrosion in 2N Sulphuric acid, Material Today Proceedings Journal, 2021, 36, 898-902.
26. V.Thiruvngadam,V.Shanmugam, **Vivekanand. P.A.** , Preparation of hydrophobic polymer using Phenol resin and Nylon 6 by Blending for the dielectric Property, Material Today Proceedings Journal, 2021,36, 814-817.
27. S. Hari Kumar, S. Karthikeyan, **Vivekanand. P.A.** , Rajakumari S, Pioglitazone(PGZ) drug as potential inhibitor for the corrosion of mild steel in hydrochloric acid medium , Material Today Proceedings Journal, 2021, 36, 803-808.
28. Kathirvel Asokan, **Vivekanand. P.A.** , Sarangapani Muniraj, An eco- friendly method to remove copper ion from drinking water by using homemade bio-adsorbent in tip-tea-bag, Material Today Proceedings Journal, 2021,36, 883-885.
29. **Vivekanand. P.A.** , P.Kamaraj, Book on Recent Advances In Chalcone Chemistry, Notion Press, 2020(ISBN: 9781648998515).
30. P.Kamaraj, R.Vennila, M.Sridharan, **Vivekanand. P.A.** , "Super capacitance of metal oxide nanoparticles" in Handbook of Nanomaterials and Nanocomposites for Energy and Environmental Applications, Springer,2020, 1-14.
31. A G Prashantha, R A Shoukat Ali, J Keshavayya, P.Kamaraj, **Vivekanand. P.A.** , Journal of University of Shanghai for Science and Technology, 22, 432-438, 2020.
32. S. Rajakumari , S. Chitradevi , S. Harikumar , **Vivekanand. P.A.** and P. Kamaraj, Kinetics of oxidation and mechanism of alanine by pyridiniumdichromate in the presence of perchloricacid medium in DMSO-H2O (v/v) medium , Malaya Journal of Matematik, Vol. S, No. 2, 2027-2030, 2020.
33. P. Kamaraj, **Vivekanand. P.A.** , Review on bio-synthesized silver nanoparticles and their antimicrobial applications, Malaya Journal of Matematik, Vol. S, No. 2, 4301-4308, 2020.
34. Hari Kumar Sappani, Sambantham Karthikeyan, Vivekanand. P.A. ,P.Kamaraj, 5-(4-(2-(5-ethylpyridin-2-yl)ethoxy) benzyl) thiazolidine-2, 4- dione (PGZ) as potential inhibitor for the corrosion of mild steel in Sulphuric acid medium, Malaya Journal of Matematik, Vol. S, No. 2, 2492-2502, 2020.
35. **Vivekanand. P.A. ,** Sambasiva Rao, Rapid , Sensitive method for the determination of cinariazine in plasama by LC-MS/MS and its application to pharmakinetic study, International Journal of Pharmaceutical sciences and Research, 2017, 8(12): 1000-07.
36. **Vivekanand. P.A.**, Sambasiva Rao, Highly Sensitive Simultaneous Determination of Oxobutynin and N-Desethloxyoxybutynin in Human Plasma by LC-MS/MS, Journal of Chemical and Pharmaceutical Sciences, 2016.
37. **Vivekanand. P.A.** , Sambasiva Rao, Evaluation of Aspirin and Dipyridamole using Low concentration Potassium Fluoride as a Stabilizer in Human Plasma by LC-MS/MS Mode, Asian Journal of Chemistry, 2016, 28,11, 2403-2406.
38. **Vivekanand. P.A. ,** Wang, M.L.; Yu, M.C. ; Synthesis of Butyl 2-(4-methoxyphenyl) acetate in Biphasic System using Low Concentration of Potassium Hydroxide - Kinetic Aspects, Asia-Pacific Journal of Chemical Engineers, 2013, 8,3, 346-353.
39. **Vivekanand. P.A.** ,Wang, M L, Hsieh,Y.M.,; Sonolytic and Silent Polymerization of Methacrlyic Acid ButylEster Catalyzed by a New Onium Salt with bis-Active Sites in a Biphasic System — A Comparative Investigation, Molecules, 2013, 18, 2419-2437.

40. **Vivekanand. P.A.** , Wang, M.L. Yu, M.C. ; Simultaneous Hydrolysis Reaction During the Phase-Transfer Catalyzed Synthesis of Butyl 2-(4-methoxyphenyl) acetate in Oil-water Bi-phase System, Bull. Chem. Soc. Jpn., 2012, *85* (9), pp. 976–982.
41. **Vivekanand. P.A. ,** Wang, M L.; "Recent strategies in organic reactions catalyzed by phase transfer catalysts and analyzed by gas chromatography" in the book entitled "Applications of *Gas* Chromatography", InTech Publishers, Croatia, 2012 (Invited Chapter, *ISBN 978-953-308-128-1*).
42. **Vivekanand. P.A.** ; Wang, M.L. ; An Efficient Recyclable Polymer Supported *bis*-quaternary Onium Phase Transfer Catalyst for the Synthesis of Dihalocyclopropyl Derivatives at Low Alkaline Concentration- Comparative Kinetic Aspects, Catalysis Communications, 22 (2012) 6-12.
43. **Vivekanand. P.A. ,** Wang, M L.; Ultrasound assisted *N*-alkylation of Phthalimide under Phase-Transfer Catalysis Conditions and their Kinetics, Chemical Engineering Communications, 2012, 199,12,1652-1667 .
44. Wang, M L. ; **Vivekanand. P.A.** ; Hydrolysis of 4-Methoxyphenylacetic acid Butyl Ester under Liquid-Liquid Biphasic Phase Transfer Condition and their Kinetics, Journal of Taiwan Institute of Chemical Engineers, 18 (2011), 1241–1248.
45. **Vivekanand. P.A. ,** Wang, M L.; "Role of Mass Transfer in Phase Transfer Catalysis Heterogeneous Reaction Systems" in the book entitled "Mass Transfer-Advanced Aspects", InTech Publishers, Croatia, 2011 (Invited Chapter, ISBN: 978-953-307-977-6).
46. **Vivekanand. P.A.** ; Wang, M L.; Sonocatalysed Synthesis of 2-phenylvaleronitrile under Controlled Reaction Conditions, Ultrasonics Sonochemistry, 18 (2011), 1241–1248.
47. **Vivekanand. P.A.** ; Wang, M L.; "Multi-site Phase Transfer Catalysis: Concepts and Application" in the book entitled "Catalysis: Principles, Types and Applications", Nova Science Publishers, New York, USA, 2010(Invited Chapter, ISBN: 978-1-61209-654-4).
48. **Vivekanand. P.A.** ; Wang, M L.; "Recent Strategies in Phase Transfer Catalysis and Its Application in Organic Reactions" in the book entitled "Homogeneous Catalysts: Types, Reactions and Applications", Nova Science Publishers, New York, USA, 2010 (Invited Chapter, ISBN: 978-1-61122-894-6).
49. **Vivekanand. P.A.** ; Balakrishnan, T; Synthesis, Characterization of Novel Multi-site Phase Transfer Catalyst and the Kinetic study of Intramolecular Cycloalkylation of Indene, Applied Catalysis A: General, 364, (2009), 27-34.
50. **Vivekanand. P.A.** ; Balakrishnan, T. Kinetics of Dichlorocyclopropanation of Vinylcyclohexane Catalyzed by a New Multi-site Phase Transfer Catalyst, Catalysis Communication,10, (2009), 687-692.
51. **Vivekanand. P.A.** .; Balakrishnan, T; Superior Catalytic Efficiency of a New Multi-site Phase Transfer Catalyst in the C-Alkylation of Dimedone - A Kinetic Study, Catalysis Communication, 10, (2009), 1371-1375.
52. **Vivekanand. P.A.** ; Balakrishnan, T; Evaluation of Catalytic Efficiency of a Triple-site Phase Transfer Catalyst and the Kinetics of Dichlorocarbene Addition to 5-Vinyl-2-norbornene, Catalysis Communication, 10, (2009), 1962-1966.
53. **Vivekanand. P.A.** ; Balakrishnan, T; Catalytic Potential of a New Polymer-Anchored Multisite Phase Transfer Catalyst in the Dichlorocarbene Addition to Indene, Catalysis Letters, 131, (2009), 587-596.

PATENTS PUBLISHED/GRANTED:

1. **P. A. Vivekanand,** S. Sharmila Queenthy, M. Thirumavalavan, R. Pachaiappan, Electrochemical catalyst innovations for high-efficiency hydrogen production in renewable energy systems (2025, Indian Patent).

2. S. Sharmila Queenthy, **P. A. Vivekanand,** M. Thirumavalavan**,** R. Pachaiappan Self-healing polymer formulations for advanced high-durability coatings in extreme environments, (2025, Indian Patent).

3. M. Thirumavalavan, S. Sharmila Queenthy, **P. A. Vivekanand** R. Pachaiappan Synthetic biology platform for designing customizable gene therapies and treatments, (2025, Indian Patent).

4. 4. M. Thirumavalavan, S. Sharmila Queenthy, R. Pachaiappan**, P. A. Vivekanand** Biodegradable polymer-based packaging materials with superior barrier properties for sustainable applications(2025, Indian Patent). (2025, Indian Patent).

ACHIEVEMENTS AND AWARDS:

- SERB Project
- Conducted Nine International/National Conferences as Convenor/Organizing Secretary (3 @ SEC) (Selective)

  1).International Conference on Advances in Chemistry and Materials 21-22 August 2021

  2). International Conference on Innovations in Science and Humanities 20-21 April 2023

  3). National Conference on Chemistry and Materials 21March 2019

  4) Convenor, DST INPIRE Programme, March 2017

- Editorial Board member/Editor of international and national *viz.,* Frontiers, Materials Today Proc., International Journal of Chemical Science etc.,

SPECIAL SESSIONS DELIVERED:

(Selective)

- Session Chair, NCCEM 2019, Held at BIHER
- Session Chair, ICCCEM 2021, Held at BIHER
- Session Chair ICSEM 2021, University of Madras
- Key Note Address at Science, Technology, Engineering, Management and Social Science – 2023, NEWRAINS

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

(Selective)

1. ACS-CSIR Joint International Conference on Building Bridges, Forging Bonds for 21st Century Organic Chemistry and Chemical Biology (ACS CSIR OCCB 2006) Jan 06-09, 2006 held in NCL, Pune, India.

2. International Symposium on Chemical Education and Research (ISCER) Jan 04-07, 2004, Loyola College, Chennai.

3. 59th Southwest Regional Meeting of the American Chemical Society, October 25-28, 2003, Oklahoma City, OK, United States.

4. Fifth CRSI National Symposium in Chemistry Feb 07-09, 2003, CLRI, Chennai-600 025.

5. Sixth CRSI National Symposium in Chemistry Feb 06-08, 2004, Department of

6. Seventh CRSI National Symposium in Chemistry, Feb 04-06, 2005, Kolkatta-700 032.

7. State level seminar on "Recent trends in chemistry", Jan 25th, 2006, The New college, Chennai-600 014.

8. Sonocatalyzed Synthesis of 2-phenylvaleronitrile under Controlled Reaction Conditions: A Kinetic Study. 241st ACS National Meeting & Exposition, Anaheim, CA, United States, March 27-31, (2011), I+EC-66. Publisher: American Chemical Society, Washington, D. C.

10 *N*-alkylation of Phthalimide under Ultrasound assisted Phase-Transfer Catalysis Conditions and their Kinetics; 242nd ACS National Meeting & Exposition, Anaheim, CA, United States, March 25-29, 2012; Publisher: American Chemical Society, Washington, D. C.

11 One Day Seminar on Chromatographic Techniques by Aglinet Technologies, on 14th January 2018, at Hotel Hilton, Guindy, Chennai.

12 UGC sponsored National Seminar on Modern Trends in Chemical Sciences organized by Government Arts College for Men, Nandanam,Chennai-35 on 29th January, 2018 .

13 One Day Seminar on Thermo GC MS &GC MS MS Systems organized by Thermofischer Scientific, on May 10th 2018 at Hotel Hyatt Regency,Chennai,India.

14 Two week FDP- ISTE STTP on Environmental Studies organized by MHRD, IIT Mumbai from 2nd June to 12th June,2015

15 FDP on Teaching Methodologies organized by Vels University, Chennai on 3rd June, 2016

16 FDP on Skill Development in Research, Projects and Patent Filing organized by Department of Science and Humanities, Saveetha Engineering College, Chennai on 17th February 2018

17 FDP on Designing Research projects, Proposal writing, Grants and Funding Agencies organized by Department of Information Technology, Saveetha Engineering College, Chennai from 26th to 27th April 2018.

18 FDP on Foundation Program in ICT for Education (FDP101x) organized by IIT-Mumbai from March 8th to April 12 th 2018

19 FDP on Pedagogy for Online and Blended Teaching- Learning Process (FDP201x) organized by IIT-Mumbai from May 3rd to 31st May 2018.

20 FDP on Teaching Learning Methodologies organized by IIT-Chennai from 7th May to 9th May 2018.

21 One Week FDP on Biopolymers and Biocomposites organized by Centre for Faculty Development, Anna University, Chennai from June 4th to June 10th ,2018.

22 FDP on Deep learning and IOT organized bt MLRIT, Huderabad from 24th - 29th June 2024

23 National Virtual Faculty Development Programme on"Emerging Trends in Applied Chemistry" held from 25th to 30th July ,2024

PROFESSIONAL MEMBERSHIPS:

- IAENG: Member of the International Association of Engineers
- IAOP: Member of the International Association of Innovation Professionals
- ACS: Member of the American Chemical Society.
- CCCCC

OTHER DETAILS (If any)

Reviewer in the Following SCI/SCOPUS indexed Journals:

Environmental Research
Journal of Hazardous Materials
Journal of King Saud University Science
Applied Catalysis A: General
Journal of Taiwan Institute of Chemical Engineers
Molecules
Polymers
Bull. Chem. Soc. Jpn.,
Catalysis Communication
International Journal of Photoenergy
Electronics
Journal of Chemistry
Catalysis Letters
Materials
Catalysis
Processes
Micro
Applied Nanoscience
Chemical Engineering Communications
Designs
Applied Sciences
Chemistry Select

Arabian Journal of Chemistry
Journal of Environmental Chemical Engineering
International Journal of Polymer Analysis and Characterization

Editorial Board Member:

Editorial Board member in Frontiers Chemistry, International Journal of Advanced Chemistry Research ,International Journal of Chemical Studies

Guideship:

1) **Anna University**
2) **VISTAS**

BOOK/BOOK Chapters Published:

Total No. = 7

"Who's Who in the World"-have been included as one of the world's foremost achiever in the research in 30th st edition of "Who's Who in the World" which is scheduled for publication in 2013 (30st edition, 2013)

Research Collaboration with the following National/ International Universities:

- ✓ Department of Chemistry and Biochemistry, The Ohio State University, 151W. Woodruff Ave, Columbus, OH 43210, USA
- ✓ Department of Chemistry, College of Science, King Saud University, P.O. 2455, Riyadh 11451, Saudi Arabia
- ✓ Faculty of Science, Universiti Tunku Abdul Rahman, Jalan universiti, Bandar Barat, Kampar 31900, Malaysia.
- ✓ Faculty of Health and Life Sciences, INTI International University, Nilai, 71800 Malaysia.
- ✓ Faculty of Bioeconomics and Health sciences, University Geomatika Malaysia, Kuala Lumpur 54200, Malaysia
- ✓ School of Chemical Engineering, Yeungnam University, 280 Daehak-Ro, Gyeongsan, Gyeongbuk 38541, Republic of Korea
- ✓ Department of Food Science and Postharvest Technology, Haramaya Institute of Technology, Haramaya University, DireDawa, P.O. Box 138, Ethiopia
- ✓ Department of Chemical Engineering, Addis Ababa Science and Technology University, 16417 Addis Ababa, Ethiopia
- ✓ Solar Energy Lab, Department of Chemistry, Thiruvalluvar University, Vellore, 632 115, India
- ✓ Central Department of Chemistry,Tribhuvan University: Kirtipur, Kathmandu,Nepal