

**Dr. Sivanesan Subramanian**

Designation and Affiliation

: **Professor**

Alagappa College of Technology

Anna University

Chennai-600025



Date of birth

: 05 May 1963

Nationality

: Indian

Address

: No: 3, Crescent Road,

SHANSA

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: [sivanesesh1963@gmail.com](mailto:sivanesesh1963@gmail.com) or [siva@annauniv.edu](mailto:siva@annauniv.edu)**Academic Qualifications**

Degree	University	Year	Subjects	Class/Grade
D.Sc	Bharathiar University	2021	Environmental Sciences	Thesis Submitted(Awaiting for Viva-Voce)
Ph.D.	Anna University	1992	Atmospheric Science & Technology	Highly Commended
M.Sc.	Madras University	1985	Environmental Chemistry	First
B.Sc.	Madras University	1983	Chemistry	First

## Administrative Experience

1. **Registrar** : Anna University, Chennai, Tamil Nadu, India.

Period: December 2012 to June 2013.

### Achievements:

- Aably assisted to carry out the order of the Government of Tamil Nadu and achieved the smooth merger of 5 Technical Universities into a Single Technical University as Anna University.
- Created infrastructure facilities of the newly started Constituent Colleges, Regional Centres, and gained the confidence of Self-Supporting Colleges in Tamil Nadu for enhancing the standards.
- Eco-friendly campus with water holes for animals, trees etc. to make the University a healthy place for the mind and body.
- Initiated the skill Development programme to promote the employability of the Technical graduates of Tamil Nadu.
- Associated with the Vice-Chancellor of Anna University for planning and carrying out strategies in the successful implementation of Vision 2023 of the Chief Minister of Tamil Nadu for enhancing the quality of technical education, technology development and employability of the Technical students in Tamil Nadu.
- Worked for the holistic development of Anna University from Sports to Advanced Research and completed several infrastructure projects including a technology complex, International Hostels, gents & ladies hostels, enhanced student amenities and welfare. Building infrastructure and facilities for Distance Education and Food Technology.
- Facilitated International Collaborations through MoU's and collaborative programmes.
- Enabled successful conduct of the UG and PG through single-window admissions at the State level after merger as single largest affiliating technical University.

- 2. Dean** : Alagappa College of Technology,  
Anna University, Chennai, Tamil Nadu, India.  
Period: October 2012 to December 2012  
Period: June 2013 to June 2018

**Achievements:**

- Successfully introduced new M. Tech Industrial Safety and Hazards Management and new B. Tech Petroleum Engineering and Technology, which are popular, in demand, industry-oriented with good placement opportunities.
- Provided the much-needed facelift with modern amenities to the old A.C. Tech. building and the Campus with Central parking and beautiful landscaping and lighting.
- Increased the Exchange programme to the Doctoral, Master's and Bachelor Students
- Renovated and Refurbished Raman Auditorium with expanded capacity and equipped with the best audio and video systems.
- Enhanced the academic infrastructure with Smart class rooms, Workshop for the UG and PG students. A 40,000 sq.ft. Building for housing Biotechnology, Food Technology, and Entrepreneurship programmes.
- Effective utilization of allocated funds towards developmental activities.

- 3. Chairman** : University Sports Board,  
Anna University, Chennai, Tamil Nadu, India.  
Period: March 2019 to August 2020  
Period: Jun 2011 to September 2013

**Achievements**

- Initiated for the establishment of new sports facilities such as indoor multipurpose playground and renovation of playgrounds to encourage the sports activity among students.
- Initiated to establish modern sports facilities for the games badminton, ball-badminton, volleyball, football, hockey and cricket.

- As a passionate sports person from childhood and sports enthusiast giving equal importance to physical as well as mental health and team spirit, I had taken a special interest in the sports activities, Sports men and sport students of the University and sincerely worked to augment infrastructure and competitive events as listed below.
- Revamping of the main campus playground and installation of modern sports facilities and amenities like floodlights, extra lighting & fencing attracted a large number of students into sport activities
- Creation of sports ground and providing lighting facilities for training purposes at MIT campus with an intention to promote sports culture among all the students and staffs.
- Creation of centralized modern gym for students and faculty, Creation of shuttle court. Creation of Rock climbing wall under adventure sports.
- Upgraded Badminton and Volleyball courts to tournament standards.
- Renovation of sports board complex.

**4. Director** : Centre for Sponsored Research and Consultancy  
Anna University, Chennai, Tamil Nadu, India.  
Period: May 2022 to Till Date

#### **Achievements**

- Initiated paper free governance
- Motivated all the staffs for swift and prompt response and actions
- Motivated and being supportive to all the faculty members towards research excellence in enabling technology transfers, consultancy works, and training, testing and sponsored research projects.
- Successfully conducted the Technology Exhibition 2022.

**5. Director** : Centre for Entrepreneurship Development  
Anna University, Chennai, Tamil Nadu, India.  
Period: Aug 2005 to Jan 2012

#### **Achievements**

- Brought awareness among the faculty and students about this important aspect in professional pursuit to encourage job providers instead of job seekers.
- Conducted short-time courses on Refrigeration and Air Conditioning for economically weaker and school dropouts leading to their placements.

**6. Professor & Head** : Department of Applied Science Technology  
Alagappa College of Technology  
Anna University, Chennai, Tamil Nadu, India.  
Period: January 2012 to June 2012

**Achievements**

- Convinced the need for starting such a Department to Applied Science and Technology concepts and finding to field applications and followed up in establishing a separate department.
- Sought and obtained funds to the newly formed Department to the tune of one crore in a very short duration.
- Development of existing lab and instrumental facilities for research scholars, PG and UG students.

**7. Professor & Head** : Department of Chemical Engineering  
Alagappa College of Technology  
Anna University, Chennai, Tamil Nadu, India.  
Period: January 2011 to June 2011

**Achievements**

- In a very short duration has mobilized funding to a tune of Rupees 30 crore for various developmental activities.
- Has coordinated for submission a project proposal for sanction of funds under UGC XII plan.

**8. Deputy Chairman** : Anna University Sports Board  
Anna University, Chennai, Tamil Nadu, India.  
Period: Jul 2008 to Jun 2011

### **Achievements**

- Contributed to the smooth conduct of zonal, inter zonal tournaments and inter-college sports activities.

**9. Platoon commander** : Signals Wing (1TN-CTC)  
Anna University, Chennai, Tamil Nadu, India.  
Period: Jan 2003 to March 2014

**10. Student advisor** : Alagappa College of Technology  
Anna University, Chennai, Tamil Nadu, **India.**  
Period: 2005

### **Achievements**

- Psychological counselling and mentoring the emotional quotient of the students.
- Enabling the smooth and orderly conduct of various college functions and identification of eligible meritorious candidates for distribution of various scholarships and awards.

**11. Technical Specialist** : National Institute for Research in Inorganic  
Materials (NIRIM), Toshima, **Japan.**  
Period: Feb 2000 to Oct 2000

### **Achievements**

- Effective contribution to the development of products and their relevant applications.

**12. STA- Fellow (Japan)** : National Institute for Environmental Studies,  
Post-Doctoral Research Program  
Period: Feb 1998 to Jan 2000

### **Achievements**

- Successful completion of research at the post-doctoral level

**13. Visiting Scientist** : Institute for Atmospheric Science

University of Mainz, **Germany**.

Period: Mar 1997 to Jan 1998

### **Achievements**

- Worked and contributed in the field atmospheric science and technology as visiting scientist.

**14. Research Officer** : Department of Chemical Engineering Anna University, Chennai, India.

Period: Nov 1995 to Feb 1997

### **Achievements**

- Contributed to various aspects of R&D as Research Officer.

**15. Marie Curie Fellow** : Instituto Fisbat, CNR, Bologna, **Italy**.

Period: Dec 1994 to Sep 1995

### **Achievements**

- Awarded Marie Curie Fellowship under the European Union fellowship scheme, to visit and work in various European Union laboratories.

### **Ph.D./M. Tech/MS Guidance**

**Ph.D.** : 31 Completed

: 07 Ongoing

**M.S. (by Research)** : 03 Completed

**M.Tech and B. Tech** : 58 Completed

### **Awards and Honors**

- **Shrimati Saroma Sanyal Memorial Prize 2021** by The Institution of Engineers(India) towards Research Publications
- **No.1. in Environmental Sciences and Engineering at Anna University 2021** honored by the AD Scientific Index Ranking
- **No.4. in Engineering and Technology at Anna University 2021** honored by the AD Scientific Index Ranking

- **Elected to the LEAP (Leadership Academicians program) 2022 & 2021** by the Ministry of Human Resource Development(MHRD), Government of India
- **Research Excellence Award 2019** by Centre for Technology Development and Transfer, Anna University, Chennai for published more than 100 research papers in **Scopus Indexed Journals**.
- Received the **BSR MID-CAREER AWARD-2017** from University Grants Commission (UGC).
- Received **Dr. A. P. J. Abdul Kalam Scientist Award-2017** from World Classical University.
- **Best Environmental Engineer award 2015** by Institute of Chemical Engineers and Engineers without border.
- **Tamil Nadu Scientists (TANSA 2013) Award in Environmental Science** by Government of Tamil Nadu.
- Secured **1<sup>st</sup> Rank in Co-ordinating with Iyarkai Mission 2012** scheme with Anna University Awarded by the **Honorable Governor of Tamil Nadu Dr.K.Rosaiah**, President of St. John Ambulance (India), Tamil Nadu State.
- **Top Cited Papers for 2010 and 2011** “Adsorption of dye from aqueous solution by cashew nut shell: Studies on equilibrium isotherm, kinetics and thermodynamics of interactions” **Desalination, Elsevier**, Vol. 261, 2010 and 2011.
- **Nominated for “International Educator of the year “for 2008** by The International Biographical Center of Cambridge, England.
- **Ranked No 14.** Top cited author 2007 in **Process Biochemistry**, Elsevier, Netherlands.
- **Ranked No 1.** Top cited author 2004-2007 in the **Colloid and Surface Science**, Elsevier, Netherlands.
- **Temp staff Industrial Researcher (JISTEC, Japan)**, Feb 2000 to Oct 2000.
- **STA Award (Science and Technology Agency, Japan)**, Feb. 1998 to Jan.2000.
- **Marie Curie award (European Community)**, Dec 1994 to Sep 1995.
- **Research Associate (CSIR direct award)**, Jan 1993 to Nov 1994.
- **Senior Research Fellow (CSIR direct award)**, July 1990 to Jan 1993.
- **Visiting Young Scientist Grant** to visit Instituto Fisbat, CNR, Bologna, Italy during Aug 1990.



- **Iucr Young Scientist Grant** to participate in Powder Diffraction Symposium held at Toulouse, France during July 16-19, 1990.
- Received **Certificate of outstanding contribution in reviewing** from the Colloids and Surfaces A: Physicochemical and engineering aspects journal – **Elsevier**.
- Received **Certificate of outstanding contribution in reviewing** from the Journal of water process engineering – **Elsevier**.
- Paper entitled “Cashew nut shell mops up heavy metals” Published in **Nature India**. DOI: 10.1038/nindia.2012.25.
- Received a certificate of appreciation from **American Chemical Society (ACS)** for valuable contribution to this ACS Journals.
- As a **member** of State Level Environmental Appraising Committee (SEAC) constituted by Honorable Chief Minister to give environmental clearance by TNPCP for new projects.
- **Member Board of Study** in PSG College of Arts and Science, PSG College of Technology, Coimbatore.

#### **Membership, Committees, Boards, etc...**

- **Life member** in Indian Institution of Plant Engineers, India
- **Life Membership** in Safety Engineers Association
- **Life Member** in IChE (Indian Institute of Chemical Engineers)
- **Life Member Indian Society for Technical Education(ISTE)**
- **Technical Expert Member** in Pollution Load Assessment Committee-TNPCB
- **Technical Expert member** in NAAQM Committee.
- **SEAC member** - State Level Environmental Appraising Committee.
- **Technical Expert Member** in Tamil Nadu Environmental Policy Committee
- **Technical Expert Member** in Tamil Nadu Text Book & Educational Service Corporation, Govt. of Tamil Nadu.
- **Member of Research Advisory Committee** at Karpaga Vinayaga Institute of Debutel Sciences.
- **Editor in Chief** in Applied Chemical Engineering journal – Enpress.
- **Member of Editorial Board** in Journal of Chemical Engineering
- **Member of Editorial Board** in International journal for research in Science Engineering and Technology (**IJRSET**)

- **Member of Editorial Board** in “Disaster Advances”
- **The International Advisory Board Member** for “International Symposium on Inorganic and Environmental Materials 2018” Ghent, Belgium.
- **Chair Member** in the committee of “Chennai International Youth Fest-2017”
- Received citation for the **certificate of appreciation** from American Chemical Society (ACS).
- **Member Board of Study** in PSG College of Arts and Science, Coimbatore, Tamilnadu, India from 2008 to till date.
- **Member of Academic Council** in PSG College of Technology, Coimbatore, Tamilnadu, India from 2013 to till date.
- **Member of Governing Council** in A.V.C College of Engineering, Mayiladuthurai, Tamilnadu, India, from 2013 to till date.

### Consultancy

- **Tamil Nadu Text Book & Educational Service Corporation, Govt. of Tamil Nadu.- Quality of the Geometry Box- 2017-2018**
- **Tamil Nadu Text Book & Educational Service Corporation, Govt. of Tamil Nadu.- Quality of the School Bags- 2019-2020**

### Visits Abroad

- Erasmus+ Staff Exchange Mobility, University of Edinburgh, **Scotland, United Kingdom**. 22-26 July, 2019.
- International Conferences on “Advances in Functional Materials 2017” (AFM conference 2017), University of California, **Los Angeles, USA**. 14-17 Aug, 2017
- The American Journal of Tropical Medicine and Hygiene (ASTMH Annual Meet’12), **Atlanta, USA**, Nov 2012.
- Tokyo University of Agriculture and Technology, **Tokyo, Japan**, Nov. 2007 to Dec. 2007.
- Universiti Malaysia, **Sabah, Malaysia**, Dec., 2005
- Center for Environmental Science, University of Wisconsin, **Madison, USA**, May 03 to October 27, 2004.
- National Institute for Environmental Studies, **Tsukuba, Japan**, Feb.1998 to Jan. 2000.
- National Institute for Environmental Studies, **Seoul, South Korea**, Feb. 2000.
- University of Colorado, Denver, **USA**, June. 2000.

- National Institute for Research in Inorganic Materials, **Tsukuba, Japan**, Feb. 2000 to Oct. 2000.
- National University of Singapore & Nanyang Technological University, **Singapore**, April.1999.
- Center for Atmospheric Sciences, Johannes Gutenberg University, **Mainz, Germany**, Jan.1996 to Dec 1996.
- Department of Environmental Science. Johannes Gutenberg University, **Germany**, Aug.1995.
- Department of Environmental Science, University of Eastanglia, **Norwich, U.K.**, Aug. 1995.
- Istituto Fisbat, CNR, **Bologna, Italy**, Aug. 1990 and 1994-95
- CEMES\_LOE/CNRS ; **Toulouse, France**, July 1990
- Istituto Materiali Speciali, **CNR Parma, Italy**, Sep. 1990

#### **Advisory for Tamil Nadu Pollution Control Board (TNPCB), Chennai**

- **Member** of Industrial Pollution Inspection team
- **Advisor** of State Environmental Appraisal Committee
- **Member of NAAQM** committee for Urban Air Pollution
- **Member of** Tamil Nadu Environmental Policy Committee

#### **Research Metrics**

- Author ID(Scopus) : **8268081200**
- ORCID ID : **0000-0002-2103-4862**
- h-index (Scopus) : **44**
- h-index (Google Scholar) : **48**
- i-10 index (Google Scholar) : **130**
- Total No. of Citations-Google scholar (July 2022) : **9929**
- No of Books published : **07**
- Total No of Articles in Science & Technology : **216**
- Total No of Articles presented in Conferences : **139**
- Editorial Board Member in Peer reviewed Journals: **03**
- Reviewer in Peer reviewed International Journals : **47**
- Editor in Chief : **01**

### **Reviewer National/ International Journals**

1. Chemical Engineering Journal [Impact factor 16.744]
2. Desalination [Impact factor 11.211]
3. Journal of Hazardous Material [Impact factor 14.224]
4. Journal of Colloid and Interface Science [Impact factor 9.965]
5. Separation and Purification Technology [Impact factor 9.136]
6. Journal of Environmental Management [Impact factor 8.91]
7. Journal of Industrial & Engineering Chemistry [Impact factor 6.760]
8. Industrial & Engineering Chemistry Research [Impact factor 4.326]
9. PLOS one [Impact factor 3.752]
10. Journal of Environmental Chemical Engineering [Impact factor 7.968]
11. Ecotoxicology and Environmental Safety [Impact factor 7.129]
12. Heliyon [Impact factor 3.776]
13. Fuel [Impact factor 8.035]
14. Colloids and Surface A: Physicochemical and Engineering Aspects [Impact factor 5.518]
15. Chemosphere [Impact factor 8.943]
16. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy [Impact factor 4.831]
17. Journal of Molecular Catalysis. B, Enzymatic [Impact factor 2.269]
18. Journal of Water Process Engineering [Impact factor 7.34]
19. Arabian Journal of Chemistry [Impact factor 6.212]
20. Bioresource Technology [Impact factor 11.889]
21. Applied Energy [Impact factor 11.446]
22. Biocatalysis and Agricultural Biotechnology [Impact factor 3.281]
23. Atmospheric Research [Impact factor 5.965]
24. Journal of Chemical Technology and Bio – Technology [Impact factor 3.709]
25. Journal of Phycology [Impact factor 3.173]
26. Current Microbiology [Impact factor 2.343]
27. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects [Impact factor 2.902]
28. African Journal of Biotechnology [Impact factor 0.573]

29. Journal of Chemical & Engineering Data [Impact factor 3.119]
30. African Journal of Microbiology Research [Impact factor - NA]
31. International Journal of Water Resources and Environmental Engineering [Impact factor - NA]
32. Journal of Taibah University for Science [Impact factor 3.459]
33. Brazilian Journal of Microbiology [Impact factor 2.806]
34. Cellulose [Impact factor 6.123]
35. Environmental Progress & Sustainable Energy [Impact factor 2.824]
36. International Journal of Environmental Analytical Chemistry [Impact factor 2.731]
37. Biotechnology and Bioprocess Engineering [Impact factor 3.386]
38. Environmental Science and Pollution Research [Impact factor 2.806]
39. Journal of Polymers and the Environment [Impact factor 4.705]
40. Bioremediation Journal [Impact factor 2.140]
41. Chemical Engineering & Technology [Impact factor 2.215]
42. Korean Journal of Chemical Engineering [Impact factor 3.146]
43. Analytical Chemistry Letters [Impact factor - NA]
44. Separation Science and Technology [Impact factor 2.799]
45. Journal of Wood Chemistry and Technology [Impact factor 2.865]
46. CLEAN - Soil, Air, Water [Impact factor 1.770]
47. Agriculture [Impact factor 3.408]

### Sponsored Research Projects

S.No.	Title of Project	Name of the Funding Agency	Duration of the Project	Amount of Grant (Rs. in Lakhs)	Role
1.	An integrated anaerobic digestion and microbial electrolysis system for the enhancement of Methane production from waste	Department of Science & Technology, New Delhi	2019 to 2022 (Ongoing)	29,09,600.00	Mentor
2.	Immobilized alkaline protease as a Biocatalyst for the extraction of fat from Leather Fleshing waste	Council of Scientific and Industrial Research	2019 to 2022 (Ongoing)	21,58,080.00	Mentor
3.	Exploiting Natural	University Grants	2019 to 2022	25,32,000.00	Mentor

	Crosslinking Agents for Fabrication of Chitosan Based Hydrogels	<b>Commission</b>	(Ongoing)		
4.	Biofuel Production From Algae	<b>Centre for Technology Development and Transfer-Anna University</b>	2019 to 2020 (Completed)	24,500.00	Guide
5.	Green Diesel Production from Biomass	<b>Tamil Nadu State Council for Science and Technology</b>	2018 to 2019 (Completed)	7,500.00	Guide
6.	Design And Development Of Reactor For The Catalytic Conversion Of Crude Glycerol Into Methanol	<b>Centre for Technology Development and Transfer-Anna University</b>	2018 to 2019 (Completed)	15,000.00	Guide
7.	Production of Bio-Diesel From Waste Cooking Oil Using A Heterogeneous Catalyst In A Pilot Plant	<b>Centre for Technology Development and Transfer-Anna University</b>	2017 to 2018 (Completed)	24,838.00	Guide
8.	A Sustainable and Green Approach for Biomethane Enrichment by Biogas Recirculation and Algae Bioscrubbing	<b>University Grants Commission</b>	2017 to 2020 (Completed)	10,00,000.00	PI
9.	Anaerobic sequencing batch reactor(SBR) for biogas production and methane enrichment using effluent	<b>University Grants Commission</b>	2016 to 2021 (Completed)	19,71,000.00	Mentor
10.	A sustainable and green approach towards production of biohydrogen and biomethane from solid and liquid waste using anaerobic process	<b>University Grants Commission</b>	2016 to 2021 (Completed)	19,71,000.00	Mentor
11.	Green building and energy efficient cooling system for sustainable buildings in India	<b>Department of Science &amp; Technology, New Delhi</b>	22-12-2016 to 21-12-2019 (Completed)	60,22,300.00	Co-PI
12.	Differential effect of 20 HETE mediating VEGF and no induced changes in tissues by direct signaling mechanism	<b>Science and Engineering Research Board, DST, New Delhi.</b>	22-11-2014 to 21-11-2017 (Completed)	54,53,000.00	Co-PI
13.	Development of integrated membrane Bioreactor for waste water treatment	<b>Department of Science and Technology, New Delhi.</b>	26-06-2013 to 26-06-2016 (Completed)	26,30,000.00	Co-PI

14.	Hydrothermal synthesis of Mesoporous Carbon for effective removal of textile dye.	<b>University Grants Commission, New Delhi.</b>	11-01-2011 to 28-02-2014 (Completed)	8,43,800.00	PI
15.	Synthesis of modified vinyl monomer grafted cellulose bearing functional containing donor atoms for the removal of heavy metals from industrial effluents	<b>University Grants Commission, New Delhi.</b>	11-01-2011 to 28-02-2014 (Completed)	12,00,000.00	Co-PI
16.	Development of membrane materials & membranes for gas & organic separation	<b>Defence Research &amp; Development Establishment</b>	17-12-2008 to 16-04-2010 (Completed)	9,78,000.00	Co-PI
17.	Studies on novel Nano and ultra-filtration membranes for treatment	<b>Defence Research &amp; Development Establishment</b>	01-02-2009 to 31-01-2012 (Completed)	5,81,800.00	Co-PI
18.	Investigation on the formation of photochemical Ozone and it's with alkenes-laboratory and field studies	<b>Department of Science &amp; Technology, New Delhi.</b>	01-08-2003 to 31-07-2006 (Completed)	17,89,200.00	PI
Total Amount of Projects				3,21,11,618.00	

### Books Authored and Book Chapters

S.No.	Title of the Book	Name of the Author(s)	Name of the Publisher	ISBN & Year of Publication	National/ International
<b>Book Authored</b>					
1.	<b>Environmental Science &amp; Engineering</b>	Dr. V. R. Manoj, Dr. J. Nandagopal, <b>Dr. S. Sivanesan</b>	VK Publications	81-90856713; <b>2017</b>	National
2.	<b>Engineering Chemistry I</b>	<b>Dr. S. Sivanesan,</b> Dr. J. Nandagopal	VK Publications	81-90856737; <b>2015</b>	National
3.	<b>Engineering Chemistry Laboratory Manual</b>	<b>Dr. S. Sivanesan,</b> Dr. J. Nandagopal	VK Publications	81-908567-3-1; <b>2015</b>	National
4.	<b>Engineering Chemistry II</b>	<b>Dr. S. Sivanesan,</b> Dr. J. Nandagopal	VK Publications	81-90856751; <b>2014</b>	National
5.	<b>Engineering</b>	Dr. J.	VK Publications	81-908567-7-5;	National

	<b>Chemistry I</b>	Nandagopal, <b>Dr. S. Sivanesan,</b> Dr. S. K. Chitrlekha Devi		<b>2010</b>	
6.	<b>Engineering Chemistry II</b>	Dr. J. Nandagopal, <b>Dr. S. Sivanesan,</b> Dr. S. K. Chitrlekha Devi	VK Publications	81-908567-0-6; <b>2010</b>	National
7.	<b>Chemistry Laboratory Manual</b>	Dr. J. Nandagopal, <b>Dr. S. Sivanesan,</b> Dr. S. K. Chitrlekha Devi	VK Publications	81-908567-8-2; <b>2010</b>	National
<b>Book Chapters</b>					
8.	<b>Title of Chapter:</b> Biogas production potential in India, the latest biogas upgradation techniques and future application in a fuel cell <b>Book:</b> Biofuels and Bioenergy	Thiruselvi Devaraj, Yuvarani Mani, Salma Aathika, Shanmugam Palaniyandi, Baskar Gurunathan, <b>Sivanesan Subramanian</b>	Elsevier	978-0-3-23852-692, <b>2022</b>	International
9.	<b>Title of Chapter:</b> Graphene Modified Electrochemical Sensors for Toxic Chemicals <b>Book:</b> Graphene-Based Electrochemical Sensors for Toxic	T Ramya, L Vidhya, S Vinodha, D Anuradha, S <b>Sivanesan</b>	Material Research Foundations	978-1-6-44900-949, <b>2020</b>	International



	Chemicals				
10.	<p><b>Title of Chapter:</b> Eco-Friendly Treatment Strategies for Wastewater Containing Dyes and Heavy Metals</p> <p><b>Book:</b> Environmental Contaminants</p>	<p>MP Premkumar, KV Thiruvengadaravi, P Senthil Kumar, J Nandagopal, S <b>Sivanesan</b></p>	Springer, Singapore	978-0-4-44643-353, 2018	International
11.	<p><b>Title of Chapter:</b> Role of Bacterial consortia in Bioremediation of Textile Recalcitrant compounds</p> <p><b>Book:</b> Waste Bioremediation</p>	<p>MA Kumar, P Baskaralingam, ARS Aathika, S <b>Sivanesan</b></p>	Springer, Singapore	978-9-8-11074-127, 2018	International
12.	<p><b>Title of Chapter:</b> Biodiesel Preparation from Non-Edible Oils</p> <p><b>Book:</b> Biodiesel: Blends, Properties and Applications</p>	<p>S. Sivanesan, V. Sathya Selva Bala, K.V. Thiruvengadaravi</p>	Nova Science Publishers, Inc.	978-1-61324-660-3, 2011	International
13.	<p><b>Title of Chapter:</b> Transport Process During the Sorption of Methylene Blue onto Fly Ash</p> <p><b>Book:</b> Concepts of Biophysics</p>	<p>K Vasanth Kumar, K Subanadan, P Baskaralingam, Subramanian Sivanesan</p>	APH Publishing	9788176489225, 2005	International
14.	<p><b>Title of Chapter:</b> Ice</p>	<p>S Sivanesan, K Baskar, R</p>	Springer, Berlin,	0075-8450, 1998	International

	Nucleation by AgI Solid Solutions <b>Book:</b> Atmospheric Aerosols and Nucleation, Lecture Notes in Physics	Gobinathan, P Ramasamy	Heidelberg		
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### Complete list of Peer Reviewed Publications

#### 2022

- 1. Fabrication of Multi-Functional CuO@PDA-MoS<sub>2</sub> mediated Dual-Functional Fluorescence Aptamer for the Detection of Hg<sup>2+</sup> ions and Chloramphenicol through Desulfurization Cleavage Reaction and Exonuclease I Activity**  
Arunjegan Amalraj, Rajaji Pavadai, **Sivanesan Subramanian**, Panneerselvam Perumal  
Department of Applied Science and Technology, A.C Technology, Anna University, Chennai, India 600 025  
Applied Surface Science, Vol. 602, (2022), PP 154222  
Index: **Scopus**
- 2. Real-Time Monitoring of Particulate Matter During Diwali Festival in Chennai, India**  
Arulmozhi Rajendran, Manimekalai Balasubramanian, Mariselvam Ammasi Krishnan, **Sivanesan Subramanian**  
Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai, TN, India  
Revista de Chimie, Vol., 73(3) (2022), PP 45-54  
Index: **European Virtual Institute for Speciation Analysis (EVISA)**
- 3. Consequence of COVID-19 occurrences in wastewater with promising recognition and healing technologies: A review**  
Manimekalai, B., Arulmozhi, R., Krishnan, M.A., **Sivanesan, S.**  
Department of Applied Science and Technology, A.C.Tech, Anna University, Chennai, India  
Environmental Progress and Sustainable Energy, Vol. Open Access, (2022), PP e13937  
Index: **Scopus**
- 4. Bench scale production of methanol from crude glycerol (1, 2, 3-Propanetriol) using Zirconium loaded fluorine doped tin oxide**  
Yuvarani Mani, Rajkumar Ramakrishnan, P Senthil Kumar, Thiruselvi Devaraj, Deva Rajendran, Arunbalaji Venkatalakshmi Narasimman, Roobak Parthiban Srinivasan, **Subramanian Sivanesan**

Department of Applied Science & Technology, Alagappa College of Technology,  
Anna University, Chennai 600 025, India  
Fuel, Vol. 318, (2022), PP 123650  
Index: **Scopus**

**5. Potential pre-treatment of lignocellulosic biomass for the enhancement of biomethane production through anaerobic digestion-A review**

Jason Thamizhakaran Stanley, Amudha Thanarasu, P Senthil Kumar, Karthik Periyasamy, Subramanian Raghunandhakumar, Premkumar Periyaraman, Kubendran Devaraj, Anuradha Dhanasekaran, **Sivanesan Subramanian**  
Environmental Management Laboratory, Alagappa College of Technology, Anna University, Chennai 600025, India  
Fuel, Vol. 318, (2022), PP 123593  
Index: **Scopus**

**6. Electrooxidation of coragen-contaminated wastewater using graphite electrodes and sorbent nano-hydroxyapatite**

R Thangamani, PM Periyaraman, A Thanarasu, K Velayutham, A Dhanasekaran, **S Subramanian**  
Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Environmental Technology, Vol. 43(11), (2022) PP 1603-1612.  
Index: **Scopus**

**7. An integrated anaerobic digestion and microbial electrolysis system for the enhancement of methane production from organic waste: Fundamentals, innovative design and scale-up deliberation**

A Thanarasu, K Periyasamy, **S Subramanian**  
Department of Applied Science and Technology, A.C. Tech Campus, Anna University, Chennai 600025, Tamil Nadu, India  
Chemosphere, Vol. 287, (2022) PP 131886 (1-14).  
Index: **Scopus**

**2021**

**8. Biohythane as a high potential fuel from anaerobic digestion of organic waste: A review**

SAA Rawoof, PS Kumar, DVN Vo, T Devaraj, **S Subramanian**  
Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Renewable and Sustainable Energy Reviews, Vol. 152, (2021) PP 111700 (1-13).  
Index: **Scopus**

**9. Application of Artificial Neural Network as a nonhazardous alternative on kinetic analysis and modeling for green synthesis of cobalt nanocatalyst from *Ocimum tenuiflorum***

T Devaraj, S Aathika, Y Mani, D Jagadiswary, SJ Evangeline, A Dhanasekaran, S Palaniyandi, **S Subramanian**

Department of Applied Science and Technology, Alagappa College of Technology,  
Anna University, Chennai 600025, Tamil Nadu, India  
Journal of Hazardous Materials, Vol. 416, (2021) PP 125720 (1-11).  
Index: **Scopus**

- 10. Magnetically assisted commercially attractive chemo-enzymatic route for the production of 5-hydroxymethylfurfural from inulin**  
Kongkona Saikia, Abiram Karanam Rathankumar, Betsy Ann Varghese, Shravani Kalita, **Sivanesan Subramanian**, Swarnalatha Somasundaram, Vaidyanathan Vinoth Kumar  
Department of Applied Science and Technology, AC Tech, Anna University,  
Chennai 600025, Tamil Nadu, India  
Biomass Conversion and Biorefinery, Vol.11(6), (2021) PP 2557-2567.  
Index: **Scopus**
- 11. Enhanced biogas from sewage sludge digestion using iron nanocatalyst from Vitex negundo leaf extract: response surface modeling**  
D Thiruselvi, M Yuvarani, A Salma, Y Arafath, D Jagadiswary, MA Kumar, D Anuradha, P Shanmugam, **S Sivanesan**  
Department of Applied Science and Technology, Alagappa College of Technology,  
Anna University, Chennai 600025, Tamil Nadu, India  
International Journal of Environmental Science and Technology, Vol. 18(8), (2021) PP 2161-2172.  
Index: **Scopus**
- 12. High Catalytic Activity of Fluorophore-Labeled Y-Shaped DNAzyme/3D MOF-MoS<sub>2</sub>NBs as a Versatile Biosensing Platform for the Simultaneous Detection of Hg<sup>2+</sup>, Ni<sup>2+</sup>, and Ag<sup>+</sup> Ions**  
R Pavadai, A Amalraj, **S Subramanian**, P Perumal  
Department of Applied Science and Technology, A.C. Technology, Anna University,  
Chennai 600025, Tamil Nadu, India  
ACS Applied Materials & Interfaces, Vol 13(27), (2021) PP 31710-31724.  
Index: **Scopus**
- 13. A critical review on global trends in biogas scenario with its up-gradation techniques for fuel cell and future perspectives**  
Devaraj Thiruselvi, Ponnusamy Senthil Kumar, Madhava Anil Kumar, Chyi-How Lay, Salma Aathika, Yuvarani Mani, D Jagadiswary, Anuradha Dhanasekaran, Palaniyandi Shanmugam, **Subramanian Sivanesan**, Pau-Loke Show  
Department of Applied Science and Technology, Alagappa College of Technology,  
Anna University, Chennai 600025, Tamil Nadu, India  
International Journal of Hydrogen Energy, Vol. 46(31), PP 16734-16750.  
Index: **Scopus**
- 14. Development of a sustainable route for the production of high-fructose syrup from the polyfructan inulin**  
K Saikia, H Radhakrishnan, AK Rathankumar, SG Senthil Kumar, S Kalita, J George, **S Subramanian**, V V Kumar

Department of Applied Science and Technology, A.C. Tech, Anna University,  
Chennai 600025, Tamil Nadu, India  
IET Nanobiotechnology, Vol 15(2), (2021) PP 149-156.  
Index: **Scopus**

**15. Sequential production of hydrogen and methane by anaerobic digestion of organic wastes: a review**

SAA Rawoof, PS Kumar, DVN Vo, **S Subramanian**  
Department of Applied Science and Technology, A.C. Tech, Anna University,  
Chennai 600025, Tamil Nadu, India  
Environmental Chemistry Letters, Vol. 19(2), (2021) PP 1043-1063.  
Index: **Scopus**

**16. A Turn-ON fluorometric biosensor based on ssDNA immobilized with a metal phenolic nanomaterial for the sequential detection of Pb (ii) and epirubicin cancer drug**

A Arunjegan, P Rajaji, **S Sivanesan**, P Panneerselvam  
Department of Applied Science and Technology, A.C. Technology, Anna University,  
Chennai 600025, Tamil Nadu, India  
RSC Advances, Vol. 11(20), (2021) PP 12361-12373.  
Index: **Scopus**

**17. Production of optically pure lactic acid by microbial fermentation: a review**

SAA Rawoof, PS Kumar, DVN Vo, K Devaraj, Y Mani, T Devaraj, **S Subramanian**  
Department of Applied Science and Technology, A.C. Tech, Anna University,  
Chennai 600025, Tamil Nadu, India  
Environmental Chemistry Letters, Vol. 19(1), (2021) PP 539-556.  
Index: **Scopus**

**18. Synthesis and electrochemical properties of environmental free l-glutathione grafted graphene oxide/ZnO nanocomposite for highly selective piroxicam sensing**

N Dhanalakshmi, T Priya, S Thennarasu, **S Sivanesan**, N Thinakaran  
Department of Applied Science and Technology, A.C. Tech, Anna University,  
Chennai 600025, Tamil Nadu, India  
Journal of pharmaceutical analysis, Vol. 11(1), (2021) PP 48-56.  
Index: **Scopus**

**19. Preparation of gels of chitosan through a hydrothermal reaction in the presence of malonic acid and cinnamaldehyde: characterization and antibacterial activity**

G Prabha, **Sivanesan Subramanian**, Dhamodharan Raghavachari  
Department of Applied Science and Technology, Alagappa College of Technology,  
Anna University, Chennai 600025, Tamil Nadu, India  
New Journal of Chemistry, Vol. 45(47), (2021) PP 22101-22112.  
Index: **Scopus**

2020

- 20. Amino-functionalised mesoporous silica microspheres for immobilisation of *Candida antarctica* lipase B – application towards greener production of 2,5-furandicarboxylic acid**  
Kongkona Saikia, Ponnusamy Senthil Kumar, Abiram Karanam Rathankumar, Sundar SaiLavanyaa, Lakshmi Srinivasan, **Sivanesan Subramanian**, Hubert Cabana, Mathilde Gosselin, Vaidyanathan Vinoth Kumar  
Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600 025, Tamil Nadu, India  
IET nanobiotechnology, Vol 14(8), (2020) PP 732-738.  
Index: **Scopus**
- 21. Oxidation of pesticide (Coragen) using triple oxide coated titanium electrodes and nano hydroxyapatite as a sorbent**  
Ramya Thangamani, Karthikeyan Velayutham, Mariselvam Ammasi Krishnan, Anuradha Dhanasekaran, **Subramanian Sivanesan**  
Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600 025, Tamil Nadu, India  
Desalination and Water Treatment, Vol 201, (2020) PP 313-322.  
Index: **Scopus**
- 22. Experimental investigation of biodiesel production from *Madhuca longifolia* seed through in situ transesterification and its kinetics and thermodynamic studies**  
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Department of Applied Science & Technology, Alagappa College of Technology, Anna University, Chennai 600025, India  
Environmental Science and Pollution Research, Vol. 27(29), (2020) PP 36450-36462.  
Index: **Scopus**
- 23. Enhancement of lactic acid production from food waste through simultaneous saccharification and fermentation using selective microbial strains**  
Salma Aathika Abdur Rawoof, Ponnusamy Senthil Kumar, Kubendran Devaraj, Thiruselvi Devaraj, **Sivanesan Subramanian**  
Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Biomass Conversion and Biorefinery, Vol. (2020) PP 1-12.  
Index: **Scopus**
- 24. Statistical evaluation of PM<sub>2.5</sub> and dissemination of PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>2</sub> during Diwali at Chennai, India**  
Mariselvam Ammasi Krishnan, Thiruselvi Devaraj, Karthikeyan Velayutham, Vasudevan Perumal, **Sivanesan Subramanian**  
Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai, Tamil Nadu, India  
Natural Hazards, Vol. 103(3), (2020) PP 3847-3861.  
Index: **Scopus**
- 25. Smartphone APP for Continuous Observation of Pollution Levels Due to Particulate Matter Measured by Laser Mie Scattering**

AK Mariselvam, P Vasudevan, K Padmanabhan, **S Sivanesan**  
Department of Applied Science and Technology, Anna University, Chennai 600025,  
Tamil Nadu, India  
Journal of the Institution of Engineers (India): Series A, Vol. 101(3), (2020) PP 495-  
502.  
Index: **Scopus**

**26. Bimetallic iron-copper oxide nanoparticles supported on nanometric diamond as efficient and stable sunlight-assisted Fenton photocatalyst**

Premkumar Manickam-Periyaraman, Juan C Espinosa, Belén Ferrer, **Sivanesan Subramanian**, Mercedes Álvaro, Hermenegildo García, Sergio Navalón  
Department of Applied Science and Technology, Anna University, Sardar Patel  
Road, 600025 Chennai, India  
Chemical Engineering Journal, Vol. 393, (2020) PP 124-770.  
Index: **Scopus**

**27. Feasibility of biodiesel production from waste cooking oil: lab-scale to pilot-scale analysis.**

Kubendran Devaraj, Yuvarani Mani, Salma Aathika Abdur Rawoof, Amudha  
Thanarasu, Anuradha Dhanasekaran, **Sivanesan Subramanian**  
Department of Applied Science and Technology, AC Tech, Anna University,  
Chennai, Tamil Nadu 600025, India  
Environmental Science & Pollution Research, Vol. 27(20), (2020) PP 25828-25835  
Index: **Scopus**

**28. Reliability of results of measurements of air pollution by solid particles by the method of detection of scattered laser radiation**

AK Mariselvam, K Padmanabhan, **S Sivanesan**  
Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu,  
India  
Measurement Techniques, Vol. 63(4), (2020) PP 266-272.  
Index: **Scopus**

**29. Turn-On fluorescence sensor based detection of heavy metal ion using carbon dots@graphitic-carbon nitride nanocomposite probe**

K Radhakrishnan, **S Sivanesan**, P Panneerselvam  
Department of Applied Science and Technology, AC Tech, Anna University,  
Chennai 600025, Tamil Nadu, India  
Journal of Photochemistry and Photobiology A: Chemistry, Vol. 389, (2020) PP 112-  
204.  
Index: **Scopus**

**2019**

**30. Comparative studies on adsorption of dye and heavy metal ions from effluents using eco-friendly adsorbent**

A Thanarasu, K Periyasamy, PM Periyaraman, T Devaraj, K Velayutham, **S Subramanian**

Department of Applied Science and Technology, Anna University, Chennai 600025,  
Tamil Nadu, India  
Materials Today: Proceedings, Vol. 36, (2019) PP 775-781.  
Index: **Scopus**

**31. Degradation of phenol from retting-pond wastewater using anaerobic sludge reactor integrated with photo catalytic treatment**

KAY Arafath, P Baskaralingam, S Gopinath, D Nilavunesan, **S Sivanesan**  
Department of Applied Science and Technology, Anna University, Chennai 600025,  
Tamil Nadu, India  
Chemical Physics Letters, Vol. 734, (2019) PP 136727 (1-10).  
Index: **Scopus**

**32. Degradation of pesticide-contaminated wastewater (coragen) using electrocoagulation process with iron electrodes**

T Ramya, P Premkumar, A Thanarasu, K Velayutham, A Dhanasekaran, **S Sivanesan**  
Department of Applied Science and Technology, Anna University, Chennai 600025,  
Tamil Nadu, India  
Desalination and Water Treatment, Vol. 165, (2019) PP 103-110.  
Index: **Scopus**

**33. Removal of phenol in coir retting wastewater by membrane bioreactor combined with photo-Fenton process using RSM**

YA KA, S Gopinath, D Nilavunesan, **S Sivanesan**, P Baskaralingam  
Department of Applied Science and Technology, Anna University, Chennai 600025,  
Tamil Nadu, India  
Materials Research Express, Vol. 6(11), (2019) PP 115506.  
Index: **Scopus**

**34. Comparison of different mixing phenomena in anaerobic digestion using food waste and sewage treatment plant for green biofuel through simulations of velocity contours**

L Shanmugam, V Ramalingam, S Palaniyandi, **S Subramanian**  
Department of Applied Science and Technology, Alagappa College of Technology,  
Anna University, Chennai 600025, Tamil Nadu, India  
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol.  
41(18), (2019) PP 2233-2245.  
Index: **Scopus**

**35. Critical review on biological treatment strategies of dairy wastewater**

G Janet Joshiba, P Senthil Kumar, Carolin C Femina, Eunice Jayashree, R Racchana, **S Sivanesan**  
Department of Applied Science and Technology, Alagappa College of Technology,  
Anna University, Chennai 600025, Tamil Nadu, India  
Desalination and Water Treatment, Vol. 160, (2019) PP 94-109.  
Index: **Scopus**



**36. Anaerobic Codigestion of Alkali-Pretreated Prosopis juliflora Biomass with Sewage Sludge for Biomethane Production**

Amudha Thanarasu, Karthik Periyasamy, Jason Thamizhakaran Stanley, Kubendran Devaraj, Premkumar Periyaraman, Anuradha Dhanasekaran, **Sivanesan Subramanian**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India

Energy & Fuels, Vol. 33(8), (2019) PP 7357-7365.

Index: **Scopus**

**37. Engineering of activated carbon surface to enhance the catalytic activity of supported cobalt oxide nanoparticles in peroxydisulfate activation**

JC Espinosa, P Manickam-Periyaraman, F Bernat-Quesada, **S Sivanesan**, M Álvaro, H García, S Navalón

Department of Applied Science and Technology, Anna University, Sardar Patel Road, Chennai 600025, Tamil Nadu, India Applied Catalysis B: Environmental, Vol. 249, (2019) PP 42-53.

Index: **Scopus**

**38. Phenol degradation and chemical oxygen demand analysis of coir retting wastewater using anaerobic treatment**

KAY Arafath, S Gopinath, D Nilavunesan, **S Sivanesan**, P Baskaralingam

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India

Journal of Environmental Biology, Vol. 40 (4), (2019) PP 784-789.

Index: **Scopus**

**39. Assessment of air quality index of urban area and epidemiological investigations in Chennai**

AK Mariselvam, MA Kumar, C Dharmaraj, E Maharaj, N Dhasarathan, **S Sivanesan**  
Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India

Journal of Environmental Biology, Vol. 40(4), (2019) PP 790-795.

Index: **Scopus**

**40. Production of thermostable multiple enzymes from Bacillus amyloliquefaciens KUB29**

K Devaraj, S Aathika, K Periyasamy, P M Periyaraman, S Palaniyandi, **S Subramanian**

Environmental Management Lab, Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

Natural product research, Vol. 33(11), (2019) PP 1674-1677.

Index: **Scopus**

**41. Systemic Concocting of Cross-Linked Enzyme Aggregates of Candida antarctica Lipase B (Novozyme 435) for the Biomanufacturing of Rhamnolipids**

AK Rathankumar, S SaiLavanyaa, K Saikia, A Gururajan, **S Sivanesan**, M Gosselin, V V Kumar, H Cabana

Department of Applied Science and Technology, Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Journal of Surfactants and Detergents, Vol. 22(3), (2019) PP 477-490.

Index: **Scopus**

**42. Effects of ambient air pollution on respiratory and eye illness in population living in Kodungaiyur, Chennai**

MA Krishnan, K Jawahar, V Perumal, T Devaraj, A Thanarasu, D Kubendran, **S Sivanesan**

Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Atmospheric Environment, Vol. 203, (2019) PP 166-171.

Index: **Scopus**

**43. Study on Effectiveness of Activated Calcium Oxide in Pilot Plant Biodiesel Production**

Kubendran Devaraj, ManivasaganVeerasingam, SalmaAathika, YuvaraniMani, AmudhaThanarasu, Anuradha Dhanasekaran, **Sivanesan Subramanian**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India

Journal of Cleaner Production, Vol. 225, (2019) PP 18-26.

Index: **Scopus**

**44. Individual and Simultaneous adsorption of Ni (II), Cd (II) and Zn (II) ions over polyamide resin: Equilibrium, kinetic and thermodynamic studies**

T Vidhyadevi, A Kannan, L Ravikumar, **S Sivanesan**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India

Environmental Progress & Sustainable Energy, Vol. 38(S1), (2019) PP S340- S351.

Index: **Scopus**

**45. Mixing strategies of high solids anaerobic co-digestion using food waste with sewage sludge for enhanced biogas production**

K Latha, R Velraj, P Shanmugam, **S Sivanesan**

Department of Applied Science and Technology, A.C. Tech Anna University, Chennai 600025, Tamil Nadu, India

Journal of cleaner production, Vol. 210, (2019) PP 388-400.

Index: **Scopus**

**46. Advance electrochemical oxidation of fipronil contaminated wastewater by graphite anodes and sorbent nano hydroxyapatite**

T Ramya, M Muthukumar, PM Periyaraman, T Amudha, D Thiruselvi, D Anuradha, **S. Sivanesan**

Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

Energy Sources A: Recovery, Utilization and Environmental Effects, Vol. 41(7), (2019) PP 866-880.

Index: **Scopus**

**47. Immobilization of ssDNA on a metal-organic framework derived magnetic porous carbon (MPC) composite as a fluorescent sensing platform for the detection of arsenate ions**

Marieeswaran Muppudathi, Panneerselvam Perumal, Ravikumar Ayyanu, **Sivanesan Subramanian**

Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Analyst, Vol. 144(9), (2019) PP 3111-3118.

Index: **Scopus**

**48. Adsorption of an anionic dye onto native and chemically modified agricultural waste**

PM Periyaraman, S Karan, SK Ponnusamy, V Vaidyanathan, S Vasanthakumar, A Dhanasekaran, **S Subramanian**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India

Environmental Engineering & Management Journal (EEMJ), Vol. 18(1), (2019) PP 257-270

Index: **Scopus**

**49. MoS<sub>2</sub> nanosheet mediated ZnO-gC<sub>3</sub>N<sub>4</sub> nanocomposite as a peroxidase mimic: catalytic activity and application in the colorimetric determination of Hg (ii)**

AAB Christus, P Panneerselvam, A Ravikumar, M Marieeswaran, **S. Sivanesan**

Department of Applied Science and Technology, A.C Tech, Anna University, Chennai 600025, Tamil Nadu, India

RSC Advances, Vol. 9(8), (2019) PP 4268-4276.

Index: **Scopus**

**2018**

**50. Cs-tungstosilicic acid/Zr-KIT-6 for esterification of oleic acid and transesterification of non-edible oils for green diesel production**

S Gopinath, PV Kumar, PSM Kumar, KAY Arafath, **S Sivanesan**, P Baskaralingam

Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Fuel, Vol. 234, (2018) PP 824-835.

Index: **Scopus**

**51. Biodegradation of Remazol Brilliant Blue R using isolated bacterial culture (Staphylococcus sp. K2204)**

K Velayutham, AK Madhava, M Pushparaj, A Thanarasu, T Devaraj, K Periyasamy, **S Subramanian**

Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

Environmental Technology, Vol. 39(22), (2018) PP 2900-2907.

Index: **Scopus**

- 52. Degradation of Synthetic Agro wastewater (Fipronil) using Electro Coagulation Process by Iron Electrodes**  
R Thangamani, K Velayutham, T Amudha, A Dhanasekaran, **S Sivanesan**  
Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
World Journal of Agriculture and Soil Science, Vol. 1(1), (2018) PP 1-6.  
Index: **Directory Research Journals Indexing**
- 53. Tea powder waste as a potential co-substrate for enhancing the methane production in anaerobic digestion of carbon-rich organic waste**  
A Thanarasu, K Periyasamy, K Devaraj, P Periyaraman, S Palaniyandi, **S Subramanian**  
Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Journal of Cleaner Production, Vol. 199, (2018) PP 651-658.  
Index: **Scopus**
- 54. Colorimetric determination of Hg (II) sensor based on magnetic nanocomposite (Fe<sub>3</sub>O<sub>4</sub>@ ZIF-67) acting as peroxidase mimics**  
AAB Christus, P Panneerselvam, A Ravikumar, N Morad, **S Sivanesan**  
Department of Applied Science and Technology, A.C. Tech Campus, Anna University, Chennai 600025, Tamil Nadu, India  
Journal of Photochemistry and Photobiology A: Chemistry, Vol. 364, (2018) PP 715-724.  
Index: **Scopus**
- 55. MoS<sub>2</sub> nanosheets as an effective fluorescent quencher for successive detection of arsenic ions in aqueous system**  
A Ravikumar, P Panneerselvam, K Radhakrishnan, AAB Christus, **S Sivanesan**  
Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Applied Surface Science, Vol. 449, (2018) PP 31-38.  
Index: **Scopus**
- 56. Strain improvement of Pleurotus citrinopileatus MTCC 1796 for enhanced production of laccase enzymes and its environmental application**  
Velayutham Karthikeyan, Vasuraj Surya Praba, Madhava Anil Kumar, Manickam Periyaraman Premkumar, **Subramanian Sivanesan**  
Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Desalination and Water Treatment, Vol. 122, (2018) PP 293-297.  
Index: **Scopus**
- 57. Bioconversion of lignocellulosic biomass to fermentable sugars by immobilized magnetic cellulolytic enzyme cocktails**  
K Periyasamy, L Santhalembi, G Mortha, M Arousseau, A Boyer, **S Sivanesan**  
Department of Applied Science and Technology, Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Langmuir, Vol. 34(22), (2018) PP 6546-6555.

Index: **Scopus**

**58. Synthesis of iron nano-catalyst using *Acalypha indica* leaf extracts for biogas production from mixed liquor volatile suspended solids**

D Thiruselvi, M Yuvarani, T Amudha, R Sneha, AK Mariselvam, M A Kumar, P Shanmugam, **S Sivanesan**

Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol. 40(7), (2018) PP 772-779.

Index: **Scopus**

**59. Enhanced biohydrogen production from leather fleshing waste co-digested with tannery treatment plant sludge using anaerobic hydrogenic batch reactor**

S Aathika A. R, D Kubendran, M Yuvarani, D Thiruselvi, T Amudha, P Karthik, **S Sivanesan**

Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol. 40(5), (2018) PP 586-593.

Index: **Scopus**

**60. Experimental investigation on cleaner process of enhanced fat-oil extraction from alkaline leather fleshing waste**

K Devaraj, S Aathika, Y Mani, A Thanarasu, K Periyasamy, P Periyaraman, K Velayutham, **S Subramanian**

Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

Journal of Cleaner Production, Vol. 175, (2018) PP 1-7.

Index: **Scopus**

**61. Effects of retting pond wastewater pollution and seasonal variation**

KA Yasar Arafath, D Nilavunesan, **Subramanian Sivanesan**, KV Thiruvengadaravi, P Baskaralingam

Department of Applied Science and Technology, A.C. Tech., Anna University, Chennai, 600025, India

International Journal of Environment and Sustainable Development, Vol. 17(2-3), (2018) PP 216-227

Index: **Scopus**

**2017**

**62. Extraction and characterization of oil from macroalgae *Cladophora glomerata***

Mani Yuvarani, Devaraj Kubendran, Abdur Rawoof Salma Aathika, Periyasamy Karthik, Manickam Periyaraman Premkumar, Velayutham Karthikeyan, **Subramanian Sivanesan**

Department of Applied Science & Technology, Alagappa College of Technology,  
Anna University, Chennai 600 025, India

Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol.  
39(23), (2017) PP 2133-2139.

Index: **Scopus**

**63. DNAzyme Based Amplified Biosensor on Ultrasensitive Fluorescence Detection of Pb (II) Ions from Aqueous System**

A Ravikumar, P Panneerselvam, K Radhakrishnan, Norhashimah Morad, CD Anuradha, **S Sivanesan**

Department of Applied Science and Technology, AC Tech, Anna University,  
Chennai, India

Journal of fluorescence, Vol. 27(6), (2017) PP 2101-2109.

Index: **Scopus**

**64. Efficient mesoporous SO<sub>4</sub><sup>2-</sup>/Zr-KIT-6 solid acid catalyst for green diesel production from esterification of oleic acid**

S Gopinath, P Sahaya Murphin Kumar, KA Yasar Arafath, KV Thiruvengadaravi, **S Sivanesan**, P Baskaralingam

Department of Applied Science & Technology, Alagappa College of Technology,  
Anna University, Chennai 600 025, India

Fuel, Vol.203, (2017) PP 488-500.

Index: **Scopus**

**65. Utilization of leather fleshing waste as a feedstock for sustainable biodiesel production**

Devaraj Kubendran, Abdur Rawoof Salma Aathika, Thanarasu Amudha, Devaraj Thiruselvi, Mani Yuvarani, **Subramanian Sivanesan**

Department of Applied Science & Technology, Alagappa College of Technology,  
Anna University, Chennai 600 025, India

Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol.39(15),  
(2017), PP 1587-1593.

Index: **Scopus**

**66. Achromobacter xylosoxidans strain APZ for phthalocyanine dye degradation: Chemo-metric optimization and canonical correlation analyses**

Madhava Anil Kumar, Puvathankandy Acharath Zamana, Vaidyanathan Vinoth Kumar, Palanichamy Baskaralingam, Kadathur Varathachary Thiruvengadaravi, Thanarasu Amudha, **Subramanian Sivanesan**

Department of Applied Science and Technology, Alagappa College of Technology,  
Anna University, Chennai, India

Journal of water process engineering, Vol. 18, (2017) PP 73-82.

Index: **Scopus**

**67. Modified zeolite as a catalyst for Pongamia pinnata oil esterification in biodiesel production**

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Department of Applied Science and Technology, Alagappa College of Technology,  
Anna University, Chennai  
International Journal of Materials and Product Technology, Vol. 55(1-3), (2017) PP  
278-285.

Index: **Scopus**

**68. Enhanced Adsorption Capacity of Biomass through Ultrasonication for the Removal of Toxic Cadmium Ions from Aquatic System: Temperature Influence on Isotherms and Kinetics**

Anbalagan Saravanan, Ponnusamy Senthil Kumar, Christopher Femina Carolin and  
**Subramanian Sivanesan**

Alagappa College of Technology, Anna Univ., Chennai 600025, India

Journal of Hazardous, Toxic, and Radioactive Waste, Vol. 21(3), (2017) PP 04017004  
(1-24).

Index: **Scopus**

**69. Auxin biosynthetic intermediate genes and their role in developmental growth and plasticity in higher plants**

Raj Kiran Bala, Rajkumar Murugesan, **Sivanesan Subramanian**, Anuradha  
Dhanasekaran

Environmental Management Lab, Department of Applied Science and Technology,  
AC Tech, Anna University, Chennai 600025, India

Journal of Plant Biochemistry and Biotechnology, Vol. 26(3), (2017) PP 321-329.

Index: **Scopus**

**70. Mineralization of aromatic amines liberated during the degradation of a sulfonated textile colorant using Klebsiella pneumoniae strain AHM**

Madhava Anil Kumar, Seenichamy Poonama, Vaidyanathan Vinoth Kumar,  
Gurunathan Baskar, Muthulingam Seenuvasana, Dhanasekaran Anuradha and  
**Subramanian Sivanesan**

Department of Applied Science and Technology, Alagappa College of Technology,  
Anna University, Chennai, India

Process Biochemistry, Vol. 57, (2017) PP 181-189.

Index: **Scopus**

**71. Synthesis and Metal Ion Uptake Studies of Chelating Polyurethane Resin Containing Donor Atoms: Experimental Optimization and Temperature Studies**

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**Subramanian Sivanesan** and Lingam Ravikumar

Department of Applied Science and Technology, Anna University, Chennai 600025,  
India

The Canadian Journal of Chemical Engineering, Vol. 95(5), (2017) PP 944-953.

Index: **Scopus**

**72. Review on nanoadsorbents: a solution for heavy metal removal from wastewater**

Vinni Novi Thekkudan, Vinoth Kumar Vaidyanathan, Senthil Kumar Ponnusamy,  
Christy Charles, SaiLavanyaa Sundar, Dhanya Vishnu, Saravanan Anbalagan,  
Vasanth Kumar Vaithyanathan, **Sivanesan Subramanian**

Department of Applied Science and Technology, AC College of Technology, Anna University, Chennai 600025, India  
IET nanobiotechnology, Vol. 11(3), (2017) PP 213-224.  
Index: **Scopus**

**73. Concocted bacterial consortium for the detoxification and mineralization of azoic-cum-sulfonic textile mill effluent**

Madhava Anil Kumar, Ganesan Vigneshwarana, Muzhumathi Ezhil Priya, Muthulingam Seenuvasana, Vaidyanathan Vinoth Kumar, Dhanasekaran Anuradha, **Subramanian Sivanesan**  
Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai, India  
Journal of water process engineering, Vol. 16, (2017) PP 199-205.  
Index: **Scopus**

**74. Indigenously acclimatized bacterial consortium for anthracene biotransformation**

Jayaramappa Komal, Madhava Anil Kumar, Kadathur Varathachary Thiruvengadaravi, Dhandapani Nilavunesan, Manickam Periyaraman Premkumar, Vaidyanathan Vinoth Kumar and **Subramanian Sivanesan**  
Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai, India  
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol.39(5), (2017) PP 528-537.  
Index: **Scopus**

**75. Detoxification of a Triphenylmethane Textile Colorant Using Acclimated Cells of Bacillus mannanilyticus strain AVS**

Madhava Anil Kumar, Durai Kamalraj Harthy, Vaidyanathan Vinoth Kumar, Kaliampurthy Gowthami Balashri, Muthulingam Seenuvasan, Dhanasekaran Anuradha and **Subramanian Sivanesan**  
Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai  
Environmental Progress & Sustainable Energy, Vol. 36(2), (2017) PP 394-403.  
Index: **Scopus**

**76. Production, Partial Purification and Characterization of Enzyme Cocktail from Trichoderma citrinoviride AUKAR04 Through Solid-State Fermentation**

Karthik Periyasamy, Laishram Santhalembi, Gérard Mortha, Marc Aourousseau, Agnès Guillet, David Dallerac and **Subramanian Sivanesan**  
Department of Applied Science and Technology, Environmental Management Laboratory, A.C. Tech, Anna University, Chennai, Tamil Nadu, 600025 India  
Arabian Journal for Science and Engineering, Vol. 42(1), (2017) PP 53-63.  
Index: **Scopus**

**2016**

**77. Dyes decolorization using silver nanoparticles supported on nanometric diamond as highly efficient photocatalyst under natural Sunlight irradiation**



P Manickam-Periyaraman, SM Espinosa, JC Espinosa, S Navalón, **S Subramanian**, M Álvaro, H Garcia  
Department of Applied Science and Technology, Anna University, Sardar Patel road, 600025, Chennai, Tamil Nadu India  
Journal of Environmental Chemical Engineering, Vol. 4(4), (2016) PP 4485-4493.  
Index: **Scopus**

**78. Biotransformation and detoxification of a greater tinctorial textile colorant using an isolated bacterial strain**

MA Kumar, R Priyadarshini, D Nilavunesan, M Seenuvasan, VV Kumar, D. Anuradha, **S. Sivanesan**

Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu India  
Journal of Environmental Biology, Vol. 37(6), (2016) 1497-1506.  
Index: **Scopus**

**79. Novel hyperbranched polyurethane resins for the removal of heavy metal ions from aqueous solution**

SS Kalaivani, A Muthukrishnaraj, **S Sivanesan**, L Ravikumar

Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu India  
Process Safety and Environmental Protection, Vol. 104, (2016) PP 11-23.  
Index: **Scopus**

**80. High Permeate Recovery for Concentrate Reduction by Integrated Membrane Process in Textile Effluent**

M Sudhakar, P Vijayalakshmi, D Nilavunesan, KV Thiruvengadaravi, P Baskaralingam, **S Sivanesan**

Environmental Management Laboratory, Department of Applied Science and Technology, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu India  
Water Environment Research, Vol. 88(9), (2016) PP 838-846.  
Index: **Scopus**

**81. Application of  $\beta$ -MnO<sub>2</sub> nanorods as catalyst in single step production of biodiesel from palm oil**

V Sathya Selva Bala, P Senthil Kumar, TK Varathachary, S Dinesh Kirupha, **S Sivanesan**

Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu India  
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol. 38(14), (2016) PP 2104-2110.  
Index: **Scopus**

**82. Effective removal of heavy metal ions from aqueous solutions using a new chelating resin poly [2, 5-(1, 3, 4-thiadiazole)-benzalimine]: kinetic and thermodynamic study**

S Dinesh Kirupha, S Kalaivani, T Vidhyadevi, P Premkumar, P Baskaralingam, **S Sivanesan**, L. Ravikumar

Department of Applied Science and Technology, Anna University, Chennai 600025,  
Tamil Nadu India

Journal of Water Reuse and Desalination, Vol. 6(2), (2016) PP 310-324.

Index: **Scopus**

**83. Fluorescence quenching of sulforhodamine dye over graphene oxide and boron nitride nanosheets**

Vidhyadevi T, Jules B, Jean-Marc J, Mikhael B, Maguy J, **Sivanesan S**, Philippe M, Sebastien B

Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu India

Eur. J. Inorg. Chem, Vol. 2016(13-14), (2016) PP 2125-2130.

Index: **Scopus**

**84. Carrier-free co-immobilization of xylanase, cellulase and  $\beta$ -1, 3-glucanase as combined cross-linked enzyme aggregates (combi-CLEAs) for one-pot saccharification of sugarcane bagasse**

K Periyasamy, L Santhalembi, G Mortha, M Aourousseau, **S Subramanian**

Department of Applied Science and Technology, Environmental Management Laboratory, A.C.Tech, Anna University, Chennai 600025, Tamil Nadu, India

RSC advances, Vol. 6(39), (2016) PP 32849-32857.

Index: **Scopus**

**85. Detection of short ssDNA and dsDNA by current-voltage measurements using conical nanopores coated with Al<sub>2</sub>O<sub>3</sub> by atomic layer deposition**

Vidhyadevi T, Mathilde L, Michael S, Emmanuel B, Mikhael B, Jean-Marc J, Jean-Jacques V, **Sivanesan S**, Sebastien B

Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu India

Microchimica Acta, Vol. 183(3), (2016) PP 1011-1017.

Index: **Scopus**

**86. Municipal Solid Waste Management in Sriperumbudur, Kanchipuram District**

D Lavanya, D Nilavunesan, S Kumaran, **S Sivanesan**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India

International Journal for Research in Applied Science and Engineering, Vol. 4(2), (2016) PP 580-586.

Index: **Directory Research Journals Indexing**

**87. Study of industrial wastewater treatment comparison between conventional activated systems (CAS) and membrane bioreactor (MBR) systems.**

KT Manoj, D Nilavunesan, KV Thiruvengadaravi, P Baskaralingam, **S Sivanesan**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu India

International Journal for Research in Applied Science and Engineering, Vol. 4(2), (2016) PP 587-594.

Index: **Directory Research Journals Indexing**

**88. Treatment of landfill leachate by using sequential batch reactor and sand bed filter followed by granular activated carbon (GAC)**B Suresh, D Thiruselvi, T Amudha, D Nilavunesan, **S Sivanesan**

Department of Applied Science and Technology, A.C.Tech, Anna University, Chennai 600025, Tamil Nadu India

Journal of Chemical and Pharmaceutical Sciences, Vol. 9(3), (2016) PP 1468-1471.

Index: **Scopus****89. Biogas production from food waste codigested with sewage treatment plant sludge using biochemical methane potential method**S Padmavathi, K Latha, D Nilavunesan, P Baskaralingam, **S Sivanesan**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu India

International Journal of Environment and Sustainable Development, Vol. 15(3), (2016) PP 300-312.

Index: **Scopus****90. Performance evaluation of sewage treatment plant at a residential building**JM Aishwarya, D Nilavunesan, P Baskaralingam, **S Sivanesan**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu India

International Journal of Environment and Sustainable Development, Vol. 15(3), (2016) PP 326-336

Index: **Scopus****91. Hydroprocessing of Bio Oils, Effect of Parameters–A Review**D Nilavunesan, K Preethi, KV Thiruvengadaravi, **S Sivanesan**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu India

International Journal for Research in Applied Science and Engineering Technology, Vol. 4(3), (2016) PP 131-141.

Index: **Directory Research Journals Indexing**2015**92. Concomitant mineralization and detoxification of acid red 88 by an indigenous acclimated mixed culture**M Anil Kumar, V Vinoth Kumar, R Ponnusamy, F Paul Daniel, M Seenuvasan, D Anuradha, **S Sivanesan**

Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu India

Environmental Progress &amp; Sustainable Energy, Vol. 34 (5), (2015) PP 1455-1466.

Index: **Scopus****93. Equilibrium and kinetic studies on the adsorption of Ni(II) ion from an aqueous solution using activated carbon prepared from *Theobroma cacao* (cocoa) shell**

SS Kalaivani, T Vidhyadevi, A Murugesan, P Baskaralingam, CD Anuradha, L Ravikumar, **S Sivanesan**

Department of Applied Science and Technology, AC Tech, Anna University, Chennai 600025, Tamil Nadu India

Desalination and water Treatment, Vol. 54(6), (2015) PP 1629-1641.

Index: **Scopus**

**94. A study on the removal of heavy metals and anionic dyes from aqueous solution by amorphous polyamide resin containing chlorobenzalimine and thioamide as chelating groups**

T Vidhyadevi, M Arukkani, K Selvaraj, PM Periyaraman, R Lingam, **S Sivanesan**

Department of Applied Science and Technology, AC Tech, Anna University, Chennai 600025, Tamil Nadu India

Korean Journal of Chemical Engineering, Vol. 32 (4), (2015) PP 650-660.

Index: **Scopus**

**95. Studies on Impact of Seawater Intrusion on Groundwater Quality**

S Sathiya, D Nilavunesan, P Baskaralingam, KV Thiruvengadaravi, **S Sivanesan**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu India

International Journal of Applied Engineering Research, Vol. 10(13), (2015) PP 11667-11670.

Index: **Directory Research Journals Indexing**

**96. Adsorption kinetic, equilibrium and thermodynamic investigations of Zn (II) and Ni (II) ions removal by poly (azomethinethioamide) resin with pendent chlorobenzylidene ring**

PS Kumar, H Ethiraj, A Venkat, N Deepika, S Nivedha, T Vidhyadevi, L Ravikumar, **S Sivanesan**

AC Tech, Anna University, Department of Applied Science and Technology, Chennai, 600 025, Tamil Nadu, India

Polish Journal of Chemical Technology, Vol. 17(3), (2015) PP 100-109.

Index: **Scopus**

**97. Ratio optimization for biogas production from agricultural waste co-digested with sewage sludge**

S Samyuktha, K Latha, **S Sivanesan**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu India

Int J Innov Res Eng Manag (IJIREM), Vol. 3(S1), (2015) PP 154-156.

Index: **Directory Research Journals Indexing**

2014

**98. Change detection of water bodies in Sriperumbudur watershed, Tamil Nadu, India using geospatial analysis**

P Kalaiselvan, R Nagendran, **S Sivanesan**

Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

Ecology, Environment and Conservation Paper, Supplement Issue, (2014) PP 135-142.

Index: **Scopus**

**99. Kinetic studies and isotherm modeling for the removal of Ni<sup>2+</sup> and Pb<sup>2+</sup> ions by modified activated carbon using sulfuric acid**

A Murugesan, T Vidhyadevi, SS Kalaivani, P Baskaralingam, CD Anuradha, **S Sivanesan**

Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Environmental Progress & Sustainable Energy, Vol. 33(3), (2014) PP 844-854.

Index: **Scopus**

**100. Optimization of the process parameters for the removal of reactive yellow dye by the low cost *Setaria verticillata* carbon using response surface methodology: Thermodynamic, Kinetic and Equilibrium Studies**

T Vidhyadevi, A Murugesan, SS Kalaivani, M Anil Kumar, KV Thiruvengada Ravi, L Ravikumar, CD Anuradha, **S Sivanesan**

Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Environmental Progress & Sustainable Energy, Vol. 33(3), (2014) PP 855-865.

Index: **Scopus**.

**101. Modelling of lead (II) ion adsorption onto poly (thiourea imine) functionalized chelating resin using response surface methodology (RSM)**

A Murugesan, T Vidhyadevi, SS Kalaivani, KV Thiruvengadaravi, L. Ravikumar, CD Anuradha, **S Sivanesan**

Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Journal of Water Process Engineering, Vol. 3, (2014) PP 132-143.

Index: **Scopus**

**102. Magnetic cross-linked laccase aggregates – Bioremediation tool for decolorization of distinct classes of recalcitrant dyes**

VV Kumar, **S Sivanesan**, H Cabana

Department of Applied Science and Technology, Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Science of the Total Environment, Vol. 487, (2014) PP 830-839.

Index: **Scopus**

**103. Evaluation of equilibrium, kinetic, and thermodynamic parameters for adsorption of Cd<sup>2+</sup> ion and methyl red dye onto amorphous poly (azomethinethioamide) resin**

T Vidhyadevi, A Murugesan, SS Kalaivani, MP Premkumar, V V Kumar, L Ravikumar, **S Sivanesan**

Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Desalination and Water Treatment, Vol. 52(19-21), (2014) PP 3477-3488.

Index: **Scopus**

- 104. Removal of Cu (II) ions from aqueous solution by adsorption onto activated carbon produced from Guazuma ulmifolia seeds.**  
P Rajkumar, PS Kumar, M Priyadharshini, SD Kirupha, P Baskaralingam, S Sivanesan  
Anna University, Department of Chemical Engineering, Alagappa College of Technology, Chennai 600025, Tamil Nadu, India  
Environmental Engineering & Management Journal (EEMJ), Vol. 13(3), (2014) PP 905-914.  
Index: Scopus
- 105. Effective Removal of Heavy Metal Ions Using Mn<sub>2</sub>O<sub>3</sub> Doped Polyaniline Nanocomposite**  
K Rajakumar, S Dinesh Kirupha, S Sivanesan, Rajamaniccam L Sai  
Anna University, Department of Chemical Engineering, Alagappa College of Technology, Chennai 600025, Tamil Nadu, India  
Journal of nanoscience and nanotechnology, Vol. 14(4), (2014) PP 2937-2946  
Index: Scopus
- 106. Adsorption of methylene blue dye onto surface modified cashew nut shell.**  
PS Kumar, R Vijayakumar Abhinaya, V Arthi, K GayathriLashmi, M Priyadharshini, S Sivanesan  
Anna University, Chennai, Environmental Management Laboratory, A.C. Tech, 600025, Tamil Nadu, India  
Environmental Engineering & Management Journal (EEMJ), Vol. 13(3), (2014) 545-556.  
Index: Scopus
- 107. The use of new modified poly (acrylamide) chelating resin with pendent benzothiazole groups containing donor atoms in the removal of heavy metal ions from aqueous solutions**  
SS Kalaivani, T Vidhyadevi, A Murugesan, KV Thiruvengadaravi, D Anuradha, S Sivanesan  
Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Water Resources and Industry, Vol. 5, (2014) PP 21-35.  
Index: Scopus
- 108. Synthesis, characterization and metal ion adsorption studies on novel aromatic poly (azomethine amide) s containing thiourea groups**  
L Ravikumar, S Kalaivani, T Vidhyadevi, A Murugasen, SD Kirupha, S Sivanesan  
Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Open Journal of Polymer Chemistry, Vol. 4(1), (2014) PP 1-11.  
Index: Web of Science
- 109. Preventing Membrane Bio-Fouling in a Full-Scale Plant by Textile Effluent Pre-treatment to Produce Near Zero Biological Oxygen Demand**  
M Sudhakar, P Vijayalakshmi, S Sivanesan

Environmental Management Laboratory, Department of Applied Science and Technology, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

Res. J. Chem. Environ, Vol. 18(11), (2014) PP 1-7.

Index: **Scopus**

**110. Biotransformation of reactive black HEBL into 3 nitroso-3-azabicyclo (3.2. 2) nonane by an acclimated mixed culture.**

MA Kumar, V Asokan, EAR Lincy, MD Palin, S Muthulingam, VV Kumar, **S Sivanesan**

Department of Applied Science and Technology, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

International Journal of ChemTech Research, Vol. 6(9), (2014) PP 4172-4179.

Index: **Scopus**

**2013**

**111. Comparative Studies on Ethanol Production Efficiency using *Zymomonas mobilis*, *Erwinia carotovora* and *Saccharomyces cerevisiae***

V Karthikeyan, **S Sivanesan**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India

Research Journal of Engineering and Technology, Vol. 4(4), (2013) PP 174-178.

Index: **Directory of Research Journal Indexing**

**112. Removal of chromium (VI) from aqueous solution using chemically modified corncorb-activated carbon: Equilibrium and kinetic studies**

A Murugesan, T Vidhyadevi, SD Kirupha, L Ravikumar, **S Sivanesan**

Environmental Management Lab, Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Environmental Progress & Sustainable Energy, Vol. 32(3), (2013) PP 673-680.

Index: **Scopus**

**113. Adsorption behavior of methylene blue dye onto surface modified *Strychnos potatorum* seeds**

C Senthamarai, PS Kumar, M Priyadharshini, P Vijayalakshmi, VV Kumar, P Baskaralingam, K V Thiruvengadaravi, **S Sivanesan**

Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Environmental Progress & Sustainable Energy, Vol. 32(3), (2013) PP 624-632.

Index: **Scopus**

**114. Adsorption of Pb(II) ions onto surface modified *Guazuma ulmifolia* seeds and batch adsorber design**

P Rajkumar, P Senthil Kumar, S Dinesh Kirupha, T Vidhyadevi, J Nandagopal, **S Sivanesan**

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India

Environmental Progress & Sustainable Energy, Vol. 32(2), (2013) PP 307-316.

Index: **Scopus**

**115. Kinetic and equilibrium studies on the biosorption of textile dyes onto *Plantago ovata* seeds**

MP Premkumar, VV Kumar, PS Kumar, P Baskaralingam, V Sathya Selva Bala, T Vidhyadevi, **S Sivanesan**

Department of Applied Science and Technology, Environmental Management Laboratory, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

Korean Journal of Chemical Engineering, Vol. 30(6), (2013) PP 1248-1256

Index: **Scopus**

**116. Adsorption of Congo red dye over pendent chlorobenzylidene rings present on polythioamide resin: kinetic and equilibrium studies**

T Vidhyadevi, A Murugesan, SD Kirupha, P Baskaralingam, L Ravikumar, **S Sivanesan**

Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Separation Science and Technology, Vol. 48(10), (2013) PP 1450-1458.

Index: **Scopus**

**117. Oil Spills-A Disaster to the Marine Environment**  
**S Sivanesan**

Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Disaster Advances, Vol. 6 (2), (2013) PP 1-3

Index: **Scopus**

**2012**

**118. Novel polymeric adsorbents bearing amide, pyridyl, azomethine and thiourea binding sites for the removal of Cu (II) and Pb (II) ions from aqueous solution**

SD Kirupha, A Murugesan, T Vidhyadevi, P Baskaralingam, **S Sivanesan**, L Ravikumar.

Department of Applied Science and Technology, Anna University, Chennai 600025, Tamil Nadu, India

Separation Science and Technology, Vol. 48(2), (2012) PP 254-262.

Index: **Scopus**

**119. The esterification of free fatty acids in karanja (*Pongamia pinnata*) oil using phosphoric acid modified zeolite**

KV Thiruvengadaravi, J Nandagopal, P Baskaralingam, V Sathya Selva Bala, P Vijayalakshmi, S Dinesh Kirupha, **S Sivanesan**

Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol. 34, (2012) PP 2234-2241.

Index: **Scopus**



- 120. Chemometric formulation of bacterial consortium-AVS for improved decolorization of resonance-stabilized and heteropolyaromatic dyes**  
MA Kumar, VV Kumar, MP Premkumar, P Baskaralingam, KV Thiruvengadaravi, Anuradha Dhanasekaran, **S Sivanesan**  
Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Bioresource technology, Vol. 123, (2012) PP 344-351.  
Index: **Scopus**
- 121. The solid acid catalyzed esterification of free fatty acids in pongamia pinnata oil**  
KV Thiruvengadaravi, J Nanadagopal, V Sathya Selva Bala, S Dinesh Kirupha, P Vijayalakshmi, **S Sivanesan**  
Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol. 34(21), (2012) PP 2016-2022.  
Index: **Scopus**
- 122. Two step biodiesel production from Calophyllum inophyllum oil: Studies on thermodynamic and kinetic modelling of modified  $\beta$ -zeolite catalysed pre-treatment**  
V Sathyaselvabala, S Ponnusamy, PM Periyaraman, DK Selvaraj, T Vidhyadevi, **S Sivanesan**  
Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
The Canadian Journal of Chemical Engineering, Vol. 90(5), (2012) PP 1178-1185.  
Index: **Scopus**
- 123. Preparation and characterization of porous cross linked laccase aggregates for the decolorization of triphenyl methane and reactive dyes**  
VV Kumar, MPP Kumar, KV Thiruvengadaravi, P Baskaralingam, P SenthilKumar, **S Sivanesan**  
Department of Applied Science and Technology, Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Bioresource technology, Vol. 119, (2012) PP 28-34.  
Index: **Scopus**
- 124. Adsorption equilibrium, thermodynamics, kinetics, mechanism and process design of zinc (II) ions onto cashew nut shell**  
P SenthilKumar, S Ramalingam, RV Abhinaya, SD Kirupha, T Vidhyadevi, **S Sivanesan**  
Department of Chemical Engineering, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
The Canadian Journal of Chemical Engineering, Vol. 90(4), (2012) PP 973-982.  
Index: **Scopus**
- 125. Acid-catalyzed esterification of karanja (Pongamia pinnata) oil with high free fatty acids for biodiesel production**  
KV Thiruvengadaravi, J Nandagopal, P Baskaralingam, VSS Bala, **S Sivanesan**

Department of Chemical Engineering, A.C. Tech, Anna University, Chennai 600025,  
Tamil Nadu, India

Fuel, Vol. 98, (2012) PP 1-4.

Index: **Scopus**

- 126. Kinetic and thermodynamic studies on the removal of Zn<sup>2+</sup> and Ni<sup>2+</sup> from their aqueous solution using poly (phenylthiourea) imine**  
A Murugesan, T Vidhyadevi, SS Kalaivani, MP Premkumar, L Ravikumar, S Sivanesan  
Department of Applied Science and Technology, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Chemical Engineering Journal, Vol. 197, (2012) PP 368-378.  
Index: **Scopus**
- 127. Removal of cadmium (II) from aqueous solution by agricultural waste cashew nut shell**  
PS Kumar, S Ramalingam, V Sathyaselvabala, SD Kirupha, A Murugesan, S Sivanesan  
Department of Chemical Engineering, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Korean Journal of Chemical Engineering, Vol. 29(6), (2012) PP 756-768  
Index: **Scopus**
- 128. Removal of free fatty acids in Pongamia Pinnata (Karanja) oil using divinylbenzene-styrene copolymer resins for biodiesel production**  
VSS Bala, KV Thiruvengadaravi, PS Kumar, MP Premkumar, MH Kumar, S Sivanesan  
Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Biomass and Bioenergy, Vol. 37, (2012) PP 335-341.  
Index: **Scopus**
- 129. Adsorption of metal ions onto the chemically modified agricultural waste**  
P Senthil Kumar, S Ramalingam, RV Abhinaya, SD Kirupha, A. Murugesan, S Sivanesan  
Department of Chemical Engineering, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
CLEAN-Soil, Air, Water, Vol. 40(2), (2012) PP 188-197.  
Index: **Scopus**
- 130. Optimization of free fatty acids reduction in Calophyllum inophyllum (pinnai) oil using modified zirconia catalyst for biodiesel production**  
V Sathyaselvabala, KV Thiruvengadaravi, M Sudhakar, DK Selvaraj, S Sivanesan  
Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Asia-Pacific Journal of Chemical Engineering, Vol. 7(1), (2012) PP 140-149  
Index: **Scopus**

- 131. Biochemical characterization of three phase partitioned laccase and its application in decolorization and degradation of synthetic dyes**  
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Department of Chemical Engineering, Environmental Management Laboratory, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Journal of Molecular Catalysis B: Enzymatic, Vol. 74(1-2), (2012) PP 63-72.  
Index: **Scopus**
- 2011**
- 132. Aspergillus niger exo-inulinase purification by three phase partitioning**  
Vaidyanathan Vinoth Kumar, Manickam Periyaraman Premkumar, Vasanth kumar Sathyaselvabala, Selvaraj Dineshkirupha, Jagadesh Nandagopal, **Subramanian Sivanesan**  
Department of Chemical Engineering, Environmental Management Laboratory, AC College of Technology, Anna University, Chennai, Tamil Nadu, India  
Engineering in Life Sciences, Vol. 11(6), (2011) PP 607-614.  
Index: **Scopus**
- 133. Synthesis, characterization, and heavy metal ion adsorption studies of polyamides, polythioamides having pendent chlorobenzylidene rings**  
L Ravikumar, SS Kalaivani, A Murugesan, T Vidhyadevi, G Karthik, S Dinesh Kirupha, **S Sivanesan**  
Department of Chemical Engineering, Anna University, Chennai 600025, Tamil Nadu, India  
Journal of Applied Polymer Science, Vol. 122(3), (2011) PP 1634-1642  
Index: **Scopus**
- 134. Lead (II) adsorption onto sulphuric acid treated cashew nut shell**  
PS Kumar, S Ramalingam, RV Abhinaya, KV Thiruvengadaravi, P Baskaralingam, **S Sivanesan**  
Department of Chemical Engineering, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Separation science and technology, Vol. 46(15), (2011) PP 2436-2449.  
Index: **Scopus**
- 135. Adsorption of methylene blue dye from aqueous solution by agricultural waste: Equilibrium, thermodynamics, kinetics, mechanism and process design**  
PS Kumar, RV Abhinaya, KG Lashmi, V Arthi, R Pavithra, V Sathyaselvabala, S Dinesh Kirupha, **S Sivanesan**  
Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Colloid Journal, Vol. 73(5), (2011) PP 651-661.  
Index: **Scopus**
- 136. Application of response surface methodology to optimize three phase partitioning for purification of laccase from Pleurotus ostreatus**  
VV Kumar, V Sathyaselvabala, SD Kirupha, A Murugesan, T Vidyadevi, **S Sivanesan**

Department of Chemical Engineering, Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Separation Science and Technology, Vol. 46(12), (2011) PP 1922-1930.  
Index: **Scopus**

- 137. Screening and induction of laccase activity in fungal species and its application in dye decolorization**  
VV Kumar, SD Kirupha, P Periyaraman, **S Sivanesan**  
Environmental Management Laboratory, Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
African Journal of Microbiology Research, Vol. 5(11), (2011) PP 1261-1267.  
Index: **Crossref**
- 138. Removal of Pb (II), Cu (II) and Cd (II) ions from aqueous solution using polyazomethineamides: Equilibrium and kinetic approach**  
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Department of Chemical Engineering, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Desalination, Vol. 271(1-3), (2011) PP 199-208.  
Index: **Scopus**
- 139. Thermodynamic, kinetic, and equilibrium studies on phenol removal by use of cashew nut shell**  
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Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
The Canadian Journal of Chemical Engineering, Vol. 89(2), (2011) PP 284-291.  
Index: **Scopus**
- 140. Adsorption of dye from aqueous solution using silver wood sawdust carbon.**  
P SenthilKumar, R Gayathri, S DineshKirupha, P RajKumar, J Nandagopal, **S Sivanesan.**  
Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Environmental Engineering & Management Journal (EEMJ), Vol. 10(3), (2011) PP 451-460.  
Index: **Scopus**
- 141. Adsorption behavior of nickel (II) onto cashew nut shell: Equilibrium, thermodynamics, kinetics, mechanism and process design**  
P Senthil Kumar, S Ramalingam, S Dinesh Kirupha, A Murugesan, T Vidhyadevi, **S Sivanesan**  
Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Chemical Engineering Journal, Vol. 167(1), (2011) PP 122-131.  
Index: **Scopus**

- 142. Adsorption equilibrium studies on copper (II) ions removal by natural waste using non-linear approach.**  
P SenthilKumar, V Sathyaselvabala, DK Selvaraj, P Vijayalakshmi, **S Sivanesan**  
Anna University-Chennai, Environmental Management Laboratory, AC Tech,  
600025, India.  
Environmental Engineering & Management Journal (EEMJ), Vol. 10(2), (2011) PP  
285-295.  
Index: **Scopus**
- 143. Removal of copper (II) ions from aqueous solution by adsorption using cashew nut shell**  
P SenthilKumar, S Ramalingam, V Sathyaselvabala, S Dinesh Kirupha, **S Sivanesan**  
Environmental Management Laboratory, A.C. Tech, Anna University, Chennai  
600025, Tamil Nadu, India  
Desalination, Vol. 266(1-3), (2011) PP 63-71.  
Index: **Scopus**
- 144. Two-step biodiesel production from Calophyllum inophyllum oil: optimization of modified  $\beta$ -zeolite catalyzed pre-treatment**  
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Kalimuthu, Premkumar Manickam Periyaraman, **Sivanesan Subramanian**  
Department of Chemical Engineering, Alagappa College of Technology, Anna  
University, Chennai 600025, India.  
Bioresource technology, Vol. 102 (2), (2011) PP 1066-1072.  
Index: **Scopus**
- 145. A decision making tool for hazardous waste landfill site selection**  
P Pandiyan, A Murugesan, T Vidhyadevi, S Dineshkirupha, M Pulikesi, **S Sivanesan**  
Department of Chemical Engineering, A.C. Tech, Anna University, Chennai 600025,  
Tamil Nadu, India  
American Journal of Environmental Sciences, Vol. 7(2), (2011) PP 119-124.  
Index: **Crossref**
- 2010**
- 146. Removal of acid violet 17 from aqueous solutions by adsorption onto activated carbon prepared from pistachio nut shell**  
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Department of Chemical Engineering, A. C. College of Technology, Anna University,  
Chennai 600 025, Tamil Nadu, India.  
Separation Science and Technology Vol. 46(1), (2010) PP 155-163.  
Index: **Scopus**
- 147. Synthesis of biodiesel from neem oil using sulfated zirconia via tranesterification**  
H Muthu, V SathyaSelvabala, TK Varathachary, D Kirupha Selvaraj, J Nandagopal, **S  
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Department of Chemical Engineering, A. C. College of Technology, Anna University,  
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Brazilian Journal of Chemical Engineering Vol. 27(4), (2010) PP 601-608.

Index: **Scopus**

148. **Adsorption of dye from aqueous solution by cashew nut shell: studies on equilibrium isotherm, kinetics and thermodynamics of interactions**  
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Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Desalination, Vol. 261(1-2), (2010) PP 52-60.  
Index: **Scopus**
149. **Kinetics and adsorption equilibrium in the system aqueous solution of copper ions – granulated activated carbon**  
PS Kumar, V SathyaSelvaBala, K Ramakrishnan, P Vijayalakshmi, **S.Sivanesan**  
Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Russian Chemical Bulletin, Vol. 59(10), (2010) PP 1859-1864.  
Index: **Scopus**
150. **Removal of free fatty acid in Azadirachta indica (Neem) seed oil using phosphoric acid modified mordenite for biodiesel production**  
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Department of Chemical Engineering, Environmental Management Lab, A. C. College of Technology, Anna University, Chennai 600 025, Tamil Nadu, India  
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Index: **Scopus**
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PS Kumar, K Ramakrishnan, SD Kirupha, **S Sivanesan**  
Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Brazilian Journal of Chemical Engineering, Vol. 27, (2010) PP 347-355.  
Index: **Scopus**

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152. **Kinetic study of the esterification of free fatty acids in non-edible Pongamia pinnata oil using acid catalyst**  
KV Thiruvengadaravi, J Nandagopal, V Sathya Selva Bala, S Dinesh Kirupha, P Vijayalakshmi, **S Sivanesan**  
Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Indian Journal of science and Technology, Vol. 2(12), (2009) PP 20-24.  
Index: **Scopus**

- 153. A study on expulsion of Cadmium (II) and Chromium (III) from electroplating effluent**  
V Sathyaselvabala, P Panneerselvam, R Arulmozhi, KV Thiruvengadaravi, N Thinakaran, **S Sivanesan**  
Environmental Management Lab, Department of Chemical Engineering, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
Indian Journal of Science and Technology Vol. 2(11), (2009) PP 27-31.  
Index: **Scopus**
- 154. Removal of Malachite Green from Aqueous Solutions by Perlite**  
Vijayakumar Govindasamy, Renganathan Sahadevan, **Sivanesan Subramanian**, Dharmendra Kumar Mahendradas  
Environmental Management Laboratory, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
International Journal of Chemical Reactor Engineering, Vol. 7(1), (2009)  
Index: **Scopus**
- 155. Removal of nickel (II) from aqueous solutions by adsorption with modified ZSM-5 zeolites**  
P Panneerselvam, V Bala, N Thinakaran, P Baskaralingam, M. Palanichamy, **S.Sivanesan**  
Environmental Management Laboratory, Department of Chemical Engineering, A.C. Technology, Anna University, Chennai 600025, Tamil Nadu, India  
E-Journal of Chemistry Vol. 6(3), (2009) PP 729-736.  
Index: **Scopus**
- 156. Thermophilic composting of municipal solid waste**  
D Elango, N Thinakaran, P Panneerselvam, **S Sivanesan**  
Department of Chemical Engineering, Anna University, Chennai 600025, Tamil Nadu, India  
Applied Energy Vol. 86(5), (2009) PP 663-668.  
Index: **Scopus**
- 157. Removal of Congo red from aqueous solutions by perlite**  
Govindasamy Vijayakumar, Mahendradas Dharmendirakumar, Sahadevan Renganathan, **Subramanian Sivanesan**, Gurunathan Baskar, Kuppannagounder P Elango  
Department of Chemical Engineering, A.C. Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Clean-soil, air, water, Vol. 37(4-5), (2009) PP 355-364.  
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- 158. Weekend? Weekday differences in near-surface ozone concentrations in Chennai, South India**  
M Pulikesi, VN Rayudu, V Ramamurthi, **S Sivanesan**

Department of Chemical Engineering, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

International Journal of Environment and Waste Management, Vol. 4(1-2), (2009) PP 213-224.

Index: **Scopus**

**159. The removal of copper ions from aqueous solution using phosphoric acid modified  $\beta$ -zeolites**

P Panneerselvam, VSS Bala, KV Thiruvengadaravi, J Nandagopal, M. Palanichamy, **S.Sivanesan**

Environmental Management Lab, Department of Chemical Engineering, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India

Indian Journal of Science and Technology Vol. 2(2), (2009) PP 63-66.

Index: **Scopus**

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**160. Phosphoric acid modified-Y zeolites: A novel, efficient and versatile ion exchanger**

P Panneerselvam, N Thinakaran, KV Thiruvenkataravi, M Palanichamy, **S Sivanesan**

Environmental Management Laboratory, Department of Chemical Engineering, A.C. College of Technology, Anna University, Guindy, Chennai 600025, Tamil Nadu, India

Journal of hazardous materials, Vol. 159(2-3), (2008) PP 427-434.

Index: **Scopus**

**161. Equilibrium and kinetic studies on the removal of Acid Red 114 from aqueous solutions using activated carbons prepared from seed shells**

N Thinakaran, P Panneerselvam, P Baskaralingam, D Elango, **S Sivanesan**

Environmental Management Laboratory, Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

Journal of hazardous materials, Vol. 158(1), (2008) PP 142-150.

Index: **Scopus**

**162. Adsorptive removal of acid blue 15: equilibrium and kinetic study**

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Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

CLEAN-Soil, Air, Water, Vol. 36(9), (2008) PP 798-804.

Index: **Scopus**

**163. Requirements Engineering with Reference to Various SDLC Models**

**S. Sivanesan**, Lala Mathai, N. Ramakrishnan, V. Ramchandran

Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India

ACCST Research, Vol. 6(3), (2008) PP 1-13

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- 164. Removal of rhodamine B from aqueous solution by adsorption onto sodium montmorillonite**  
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Department of Chemical Engineering, A.C. College of Technology, Anna University, Guindy, Chennai 600025, Tamil Nadu, India  
Journal of Hazardous Materials, Vol. 155(1-2), (2008) PP 39-44.  
Index: **Scopus**
- 165. Removal of Acid Violet 17 from aqueous solutions by adsorption onto activated carbon prepared from sunflower seed hull**  
N Thinakaran, P Baskaralingam, M Pulikesi, P Panneerselvam, **S. Sivanesan**  
Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Journal of hazardous materials, Vol. 151(2-3), (2008) PP 316-322.  
Index: Scopus
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Lala Mathai, V. Ramchandran, **S. Sivanesan**  
Department of Chemical Engineering, A.C. Tech, Anna University, Chennai 600025, Tamil Nadu, India  
International Journal of Soft Computing, Vol 3(6), (2008) PP 467-474.  
Index: **Scopus**
- 2007**
- 167. Modified hectorites and adsorption studies of a reactive dye**  
P Baskaralingam, M Pulikesi, V Ramamurthi, **S Sivanesan**  
Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, India  
Applied clay science, Vol. 37(1-2), (2007) PP 207-214.  
Index: **Scopus**
- 168. Production of biogas from municipal solid waste with domestic sewage**  
D Elango, M Pulikesi, P Baskaralingam, V Ramamurthi, **S Sivanesan**  
Department of Chemical Engineering, Anna University, Chennai 600025, India  
Journal of hazardous materials, Vol. 141(1), (2007) PP 301-304.  
Index: **Scopus**
- 169. Sorption isotherm for safranin onto rice husk: Comparison of linear and non-linear methods**  
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Department of Chemical Engineering, AC Tech, Anna University, Chennai 600025, India  
Dyes and Pigments, Vol. 72(1), (2007) PP 130-133.  
Index: **Scopus**

- 170. Isotherms for Malachite Green onto rubber wood (*Hevea brasiliensis*) sawdust: comparison of linear and non-linear methods**  
KV Kumar, **S Sivanesan**  
Department of Chemical Engineering, AC Tech, Anna University, Chennai 600025, India  
Dyes and Pigments, Vol. 72(1), (2007) PP 124-129.  
Index: **Scopus**
- 2006**
- 171. Monitoring of Methane and Non-Methane Using Flame Ionization Detector in South India**  
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Department of Chemical Engineering, AC Tech, Anna University, Chennai 600025, India  
Pollution Research, Vol. 25(4), (2006) PP 9-12  
Index: **Directory Research Journals Indexing**
- 172. Removal of safranin basic dye from aqueous solutions by adsorption onto corncob activated carbon**  
Preethi, S., A. Sivasamy, **S. Sivanesan**, V. Ramamurthi, and G. Swaminathan.  
Department of Chemical Engineering, A.C.College of Technology, Anna University, Guindy, Chennai 600025, India.  
Industrial & engineering chemistry research, Vol. 45(22), (2006) PP 7627-7632.  
Index: **Scopus**
- 173. Surface ozone measurements at urban coastal site Chennai, in India**  
M.Pulikesi, P. Baskaralingam, V.N.Rayudu, Rajamaniccam L Sai, V.Ramamurthi and **S.Sivanesan**  
Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India.  
Journal of Hazardous Materials, Vol. 137, (2006) PP 1554-1559.  
Index: **Scopus**
- 174. Exceedences of noise level during festival day-Diwali**  
M Pulikesi, P Karthikeyan, RL Sai, V Ramamurthi, **S Sivanesan**  
Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, Tamil Nadu, India  
Anna University College of Technology, Green Pages, Eco-web services, PP 1-19  
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- 175. Air quality monitoring in Chennai, India, in the summer of 2005**  
Pulikesi M, Baskaralingam P, Elango D, Rayudu VN, Ramamurthi V, **Sivanesan S**,  
Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India.  
Journal of Hazardous Materials, Vol. 136, (2006) PP 589-96.  
Index: **Scopus**

- 176. Pseudo second order kinetic models for safranin onto rice husk: Comparison of linear and non-linear regression analysis.**  
K. Vasanth Kumar and **S. Sivanesan.**  
Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India.  
Process Biochemistry, Vol. 41, (2006) PP 1198 - 1202.  
Index: **Scopus**
- 177. Equilibrium studies for the adsorption of Acid dye onto modified hectorite.**  
P. Baskaralingam, M. Pulikesi, V. Ramamurthi and **S. Sivanesan.**  
Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India.  
Journal of Hazardous Materials, Vol. 136, (2006) PP 989-992.  
Index: **Scopus**
- 178. Selection of optimum sorption kinetics: Comparison of linear and non-linear method**  
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Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India  
Journal of Hazardous Materials, Vol. 134, (2006) PP 277-279.  
Index: **Scopus**
- 179. Equilibrium data, isotherm parameters and process design for partial and complete isotherm of methylene blue onto activated carbon**  
K. Vasanth Kumar and **S. Sivanesan.**  
Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India  
Journal of Hazardous Materials, Vol. 134, (2006) PP 237-244.
- 180. Pseudo second order kinetics and pseudo isotherms for malachite green onto activated carbon: Comparison of linear and non-linear regression methods.**  
K. Vasanth Kumar and **S. Sivanesan.**  
Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India  
Journal of Hazardous Materials, Vol. B136, (2006) PP 721-726.  
Index: **Scopus**
- 181. Isotherm parameters for basic dyes onto activated carbon: Comparison of linear and non-linear method.**  
K. Vasanth Kumar and **S. Sivanesan.**  
Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India  
Journal of Hazardous Materials, Vol. 129, (2006) PP 147-150.  
Index: **Scopus**
- 182. Adsorption of acid dye onto organobentonite**  
P. Baskaralingam, M. Pulikesi, D. Elango, V. Ramamurthi and **S. Sivanesan.**

Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India

Journal of Hazardous Materials, Vol. B128, (2006) PP 138 - 144.

Index: **Scopus**

**183. Biosorption of malachite green, a cationic dye onto *Pithophora* sp., a fresh water algae.**

K. Vasanth Kumar, V. Ramamurthi and **S. Sivanesan**.

Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India

Dyes and Pigments, Vol. 69, (2006) PP 102 - 107.

Index: **Scopus**

**2005**

**184. Prediction of optimum sorption isotherm: Comparison of linear and non-linear method**

K. Vasanth Kumar and **S. Sivanesan**,

Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India

Journal of Hazardous Materials, Vol. B126, (2005) PP 198 - 201.

Index: **Scopus**

**185. Thermal, dielectric and photoconductivity studies on pure, Mg<sup>2+</sup> and Zn<sup>2+</sup> doped BTCC single crystals**

S. Selvakumar, S.A. Rajasekar, K. Thamizharasan, **S. Sivanesan**, A. Ramanand and P. Sagayaraj.

Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 25, India.

Materials Chemistry and Physics, Vol. 93 (2-3), (2005) PP 356 - 360.

Index: **Scopus**

**186. Comparison of linear and non-linear method in estimating the sorption isotherm parameters for safranin onto activated carbon**

K. Vasanth Kumar and **S. Sivanesan**.

Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India.

Journal of Hazardous Materials, Vol. B123, (2005) PP 288 - 292.

Index: **Scopus**

**187. Adsorption of malachite green onto *Pithophora* sp., a fresh water algae: Equilibrium and kinetic modelling**

K. Vasanth Kumar, V. Ramamurthi and **S. Sivanesan**.

Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India

Process Biochemistry, Vol. 40 (8), (2005) PP 2865 - 2872.

Index: **Scopus**

**188. Modeling the mechanism involved during the sorption of basic dye on to fly ash.**

K. Vasanth Kumar, V.Ramamurthi and **S. Sivanesan**.  
Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India  
Journal of Colloid and Interface Science, Vol. 284, (2005) PP 14 - 21.  
Index: **Scopus**

**189. Studies on surface ozone in Chennai**

M Pulikesi, P Baskaralingam, V Ramamurthi, **S Sivanesan**  
Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India  
Res. J. Chem. Environ, Vol. 9, (2005) PP 1-5  
Index: **Directory of Research Journal Indexing**

**2004**

**190. Surface Mass Transfer during the Sorption of Basic Dye onto Boiler Bottom Ash.**

K. Vasanth Kumar and **S. Sivanesan**.  
Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India  
Polish Journal of Environmental Studies, Vol 13(4) (2004) PP 443 - 445.  
Index: **Scopus**

**191. GAC sorption process: Problems and solutions**

VK Kumar, K Subanandam, V Ramamurthi, **S Sivanesan**  
Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, India  
Anna University College of Technology, Green Pages, Eco-web services (2004) PP 1-6.  
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**192. Solid Liquid Adsorption for Wastewater Treatment: Principle Design and Operation**

KV Kumar, K Subanandam, V Ramamurthi, **S Sivanesan**  
Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, India  
Anna University College of Technology, Green Pages, Eco-web services (2004) PP 1-19.  
Index: **Directory of Research Journal Indexing**

**193. VOC Emission Control-A Theoretical Review**

K Subanandam, **S Sivanesan**, V Ramamurthi  
Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600025, India  
Chemical Weekly-Bombay, Vol. 49(2), (2004) PP 201-204  
Index: **Directory of Research Journal Indexing**

**194. Global concern for the strategies phasing out of ozone depleting substances**

**Sivanesan S**, Mali P, Pulikesi M, Baskaralingam, P, Kumar, K.V, Ramamurthi, V

Department of Chemical Engineering, Anna University, Guindy, Chennai 600025, India

Indian Journal of Environmental Protection, Vol. 24 (6), (2004) PP 415-419.

Index: **Scopus**

**195. Biofiltration- The VOC Arrester: Design Concepts.**

K. Vasanth Kumar and **S. Sivanesan**

Department of Chemical Engineering, Alagappa College of Technology, Anna University, Chennai 600025, India

Chemical Weekly-Bombay, Vol. 49(2), (2004) PP 173 - 182

Index: **Directory of Research Journal Indexing**

**2001**

**196. Formation Mechanism of Peroxides in Reactions of Cyclic Olefins with Ozone in Air**

Shiro Hatakeyama, **Subramanian Sivanesan**, and Taichiro Urabe

National Institute for Environmental Studies, 16-2 Onagawa,

Tsukuba, Ibaraki 305-8506, Japan

Department of Chemical Engineering, A.C. College of Technology, Anna University, Chennai 600 025, India

Chemistry Letters- The Chemical Society of Japan, Vol (12), (2001) PP 1248-1249

Index: **Scopus**

**197. Studies on the Nucleating Capabilities of Silver Halides by Drop Freezing Technique**

**Subramanian Sivanesan**, Shiro Hatakeyama, Masilamani Subbaiyan.

Atmospheric Environment Division, National Institute for Environmental Studies, 16-2 Onagawa, Tsukuba 305-0053, Japan

Department of Chemistry, Anna University, Chennai 600025, India.

Journal of aerosol research, Japan, Vol. 16(2), (2001) PP 126 - 132.

Index: **Crossref**

**1995**

**198. Scavenging of SO<sub>2</sub> and NH<sub>3</sub> on Ice Surface During Diffusion Growth**

G.Santachiara, **S.Sivanesan**, T.Georgiadis and F.Prodi

Institute FISBAT, CNR, Bologna, Italy.

Journal of Aerosol Science, Vol. 26, (1995) PP S439 - S440.

Index: **Crossref**

**199. Effect of Ultraviolet Irradiation on the Ice Nucleating Ability of AgI-AgCl- CuI System**

**S. Sivanesan**, P. Sagayaraj

Alagappa College of Technology, Anna University, Madras 600025, India

Crystal Research and Technology, Vol. 30(3), (1995) PP 419 - 424.

Index: **Scopus**

**200. Growth and Characterization of Gel-grown Lead (II) Chloride and Lead (II) Bromide Single Crystals.**P. Sagayaraj, **S. Sivanesan** and R. Gobinathan

Alagappa College of Technology, Anna University, Madras 600025, India.

Crystal Research and Technology, Vol. 30(3), (1995) PP 299 - 306.

Index: **Scopus****201. Microhardness studies of Pure and Doped Crystals of Lead (II) chloride and Lead (II) bromide**P. Sagayaraj, **S. Sivanesan** and R. Gobinathan

Alagappa College of Technology, Anna University, Madras 600025, India.

Crystal. Research and Technology, Vol. 30(3), (1995) PP 425 - 431.

Index: **Scopus****1991****202. Ice nucleation of AgI-CuBr Nucleants in the presence of Electric field****S. Sivanesan** and R. Gobinathan,

Alagappa College of Technology, Anna University, Madras 25, India.

Material Chemistry and Physics, Vol. 27, (1991) PP 385 - 392.

Index: **Scopus****1990****203. Growth and Microhardness Studies of Melt-grown Lead (II) Chloride Single Crystals.**P. Sagayaraj, **S. Sivanesan**, K. Baskar, R. Gobinathan,

Crystal Growth Centre, Anna University, Madras, India

Crystal Research and Technology, Vol. 25(11), (1990) PP 1353 - 1357.

Index: **Scopus****204. Synthesis and X-ray diffraction analysis of AgI-CuBr solid solutions for ice Nucleation.****S. Sivanesan** and R. Gobinathan,

Crystal Growth Centre, Anna University, Madras 600025, India

Journal of Material Science, Vol. 9(3), (1990) PP 263 - 265.

Index: **Scopus****205. Synthesis of AgI-AgCl-CuI Solid solutions for Ice Nucleation Studies.****S. Sivanesan** and R. Gobinathan,

Crystal Growth Centre, Anna University, Madras, India

Crystal Research and Technology, Vol. 25(2), (1990) PP 129 - 133.

Index: **Scopus****206. Electrical conductivity of AgI-CuI-KI solid solutions.****S. Sivanesan** and R. Gobinathan,

Crystal Growth Centre, Anna University, Madras 600025, India

Journal of Material Science Letters, Vol. 9, (1990) PP 162 - 164.

Index: **Scopus**

**1989**

- 207. X-ray analysis and ice nucleating behaviour of the AgI-Cul-KI system**  
**S. Sivanesan**, K. Baskar, R. Gobinathan, P. Ramasamy and N. Ramasamy  
 Crystal Growth Centre, Anna University, Madras 600025, India  
 Journal of Materials Science, Vol.24 (11), (1989) PP 4160–4163  
 Index: **Scopus**

**Presentation at International and National Conference****International Conferences**

S.No.	Title of Presentation	Title of Event	Organizers	Date	Place
1.	Biomethane Upgradation and Electricity Production Through Integrated Anaerobic Digestion and Electromethanogenesis Process	International Conference on Health, Energy and Materials (ICHEM'22).	Department of Chemical Engineering, Hindustan Institute of Technology and Science, Chennai in association with IICHE and ABLE	28 <sup>th</sup> & 29 <sup>th</sup> April, 2022	Chennai, India
2.	Pyrolysis of Used Cooking Oil in the Presence of Cu-ZSM-5 Nanocatalyst for Green Diesel Production	International Conference on Health, Energy and Materials (ICHEM'22).	Department of Chemical Engineering, Hindustan Institute of Technology and Science, Chennai in association with IICHE and ABLE	28 <sup>th</sup> & 29 <sup>th</sup> April, 2022	Chennai, India
3.	Synthesis and Characterisation of Zr-FTO Catalyst and its Application towards Production Bio-Methanol from Biodiesel Waste	Second International Conference on Advances in Chemistry with Specific Reference to Catalysis, Sensors, Drug Delivery and Energy Materials	Department of Physical Chemistry, University of Madras In Collaboration With Royal Society of Chemistry (RSC), RUSA 2.0, Tamil Nadu State Council for	28 <sup>th</sup> & 29 <sup>th</sup> March 2022	Chennai, India



			Higher Education & SPSI, Chennai Chapter		
4.	Synthesis of Ternary Cds/Ag/g-C <sub>3</sub> N <sub>4</sub> Nanocomposite with Enhanced Hydrogen Production Activity and Photocatalytic Performance	Second International Conference on Advances in Chemistry with Specific Reference to Catalysis, Sensors, Drug Delivery and Energy Materials	Department of Physical Chemistry, University of Madras In Collaboration With Royal Society of Chemistry (RSC), RUSA 2.0, Tamil Nadu State Council for Higher Education & SPSI, Chennai Chapter	28 <sup>th</sup> & 29 <sup>th</sup> March 2022	Chennai, India
5.	Preparation of Porus Hydrogels of Chitosan Scaffolds by Hydrothermal Reaction and Cytotoxicity Study	Second International Conference on Advances in Chemistry with Specific Reference to Catalysis, Sensors, Drug Delivery and Energy Materials	Department of Physical Chemistry, University of Madras In Collaboration With Royal Society of Chemistry (RSC), RUSA 2.0, Tamil Nadu State Council for Higher Education & SPSI, Chennai Chapter	28 <sup>th</sup> & 29 <sup>th</sup> March 2022	Chennai, India
6.	Wastewater Treatment by Novel Nano Crystals To Remove The Toxicity And Heavy Metals	Second International Conference on Advances in Chemistry with Specific Reference to Catalysis, Sensors, Drug Delivery and Energy Materials	Department of Physical Chemistry, University of Madras In Collaboration With Royal Society of Chemistry (RSC), RUSA 2.0, Tamil Nadu State Council for	28 <sup>th</sup> & 29 <sup>th</sup> March 2022	Chennai, India

			Higher Education & SPSI, Chennai Chapter		
7.	Comparative Analysis of the Organic Fractions Municipal Solid Waste (OFMSW) and Lignocellulosic Biomass ( <i>Acacia nilotica</i> ) Anaerobically Co-Digested with Activated Sludge	Sixth International Conference on Recent Advancements in Chemical, Environment & Energy Engineering (RACEEE-2022)	Department of Chemical Engineering, SSN College of Engineering	24 <sup>th</sup> & 25 <sup>th</sup> February 2022	Chennai, India
8.	Treatment of Wastewater By Adsorption Process Using Cellulose Nanocrystals From Agricultural Waste To Remove The Toxicity And Heavy Metals	Sixth International Conference on Recent Advancements in Chemical, Environment & Energy Engineering (RACEEE-2022)	Department of Chemical Engineering, SSN College of Engineering	24 <sup>th</sup> & 25 <sup>th</sup> February 2022	Chennai, India
9.	Effects of Firework Celebrations on Environment and Human Health	Sixth International Conference on Recent Advancements in Chemical, Environment & Energy Engineering (RACEEE-2022)	Department of Chemical Engineering, SSN College of Engineering	24 <sup>th</sup> & 25 <sup>th</sup> February 2022	Chennai, India
10.	Biomethane Upgradation and Electricity Production via Integration of Anaerobic Digestion and Two-Chamber Microbial Fuel Cell Using Organic Wastes as substrate	Sixth International Conference on Recent Advancements in Chemical, Environment & Energy Engineering (RACEEE-2022)	Department of Chemical Engineering, SSN College of Engineering	24 <sup>th</sup> & 25 <sup>th</sup> February 2022	Chennai, India
11.	Emission and Performance	Sixth International	Department of Chemical	24 <sup>th</sup> & 25 <sup>th</sup> February	Chennai, India

	Characteristics of Waste Cooking Oil B20 Biodiesel Blends in DI Compression Diesel Engine	Conference on Recent Advancements in Chemical, Environment & Energy Engineering (RACEEE-2022)	Engineering, SSN College of Engineering	2022	
12.	Anaerobic Digestion and Electro-methanogenesis Process: A Future Interaction between Methane and Electricity Distribution Grids	2 <sup>nd</sup> International Conference on Waste, Energy and Environment	Centre for Waste Management, Sathyabama Institute of Science and Technology	23 <sup>rd</sup> & 24 <sup>th</sup> September 2021	Chennai, India
13.	Particulate Matter (PM <sub>2.5</sub> ) Pollution and Its Effects on Human Health in India	2 <sup>nd</sup> International Conference on Waste, Energy and Environment	Centre for Waste Management, Sathyabama Institute of Science and Technology	23 <sup>rd</sup> & 24 <sup>th</sup> September 2021	Chennai, India
14.	Preparation of Cinnamaldehyde cross linked Chitosan Hydrogels by hydrothermal reaction characterization and antibacterial activity	2 <sup>nd</sup> International Conference on Recent trends in Clean Technologies for Sustainable Environment	Department of Chemical Engineering, SSN College of Engineering	06 <sup>th</sup> & 07 <sup>th</sup> May 2021	Chennai, India
15.	An Integrated Anaerobic Digestion and Microbial Electrolysis System for the Enhancement of Methane Production from Organic Waste: A future Perspectives	2 <sup>nd</sup> International Conference on Recent trends in Clean Technologies for Sustainable Environment	Department of Chemical Engineering, SSN College of Engineering	06 <sup>th</sup> & 07 <sup>th</sup> May 2021	Chennai, India
16.	Leadership for Academicians Programme (LEAP) is a three weeks flagship Leadership Development training programme	Leadership Academicians program 2020	IISER Kolkata	13th Jan to 24th Jan 2020.	Singapore & Kolkata, India
17.	Enhancement of	International	SRM Institute of	07 <sup>th</sup> to 09 <sup>th</sup>	Chennai, India

	lactic acid production from food waste through simultaneous saccharification and fermentation using bacterial strains	Conference on Sustainable Technology for Industrial Hazardous Waste Management	Science and Technology	August 2019	
18.	Influence of Vitex negundo mediated iron nano catalysts for augmentation in biogas production from mixed liquor volatile suspended solids and its cost analysis	International Conference on Sustainable Technology for Industrial Hazardous Waste Management	SRM Institute of Science and Technology	07 <sup>th</sup> to 09 <sup>th</sup> August 2019	Chennai, India
19.	Kinetics and Thermodynamics Approach for Biodiesel Production using Madhuca Longipolia Seed through In-stiu Transesterfication Route	International Conference on Sustainable Technology for Industrial Hazardous Waste Management	SRM Institute of Science and Technology	07 <sup>th</sup> to 09 <sup>th</sup> August 2019	Chennai, India
20.	Participant	4 <sup>th</sup> International Conference on Bioenergy, Environment and Sustainable Technologies	Arunai Engineering College	28 <sup>th</sup> to 30 <sup>th</sup> January 2019	Tiruvananmalai , India
21.	Removal of Chromium and TOC from Tanning Industries Wastewater using Electrocoagulation Techniques	International Conference on Modern Trends in Chemical Sciences including Green Chemistry	SRM Institute of Science and Technology and Rasayan Journal of Chemistry	27 <sup>th</sup> to 29 <sup>th</sup> December 2018	Chennai, India
22.	Participant	International Workshop of Royal Society of Chemistry Yusuf Hamied Inspirational Chemistry Programme	SRM Institute of Technology	10 <sup>th</sup> & 11 <sup>th</sup> August 2018	Chennai, India

23.	Sustainable Development and Clean Technologies	One day International seminar on Sustainable Development and Clean Technologies	Centre for Technology Development and Transfer, Anna University	3 <sup>rd</sup> July 2018	Chennai, India
24.	Large Scale Implementation of Bioenergy Generation	3 <sup>rd</sup> International Conference on Advanced Manufacturing and Automation	Kalasalingam Academy of Research and Education	5 <sup>th</sup> & 6 <sup>th</sup> April 2018	Krishnankoil, India
25.	Strain Improvement of Pleurotus Citrinopileatus MTCC 1796 for Enhanced Production of Laccase Enzyme and its Environmental Applications	3 <sup>rd</sup> International Conference on Recent Advancements in Chemical, Environmental and Energy Engineering	SSN College of Engineering	15-16 <sup>th</sup> February 2018	Chennai, India
26.	Biosynthesis of Nanoparticles Using Leaf Extract of Acalypha Indica For Biogas Production	International Conference on Energy, Environment and Industrial Safety	Department of Applied Science and Technology, Anna University	22 <sup>nd</sup> & 23 <sup>rd</sup> February 2018	Chennai, India
27.	Optimizing Biomethane Yield from Tannery Fleshing Waste And Organic Waste Using Anaerobic Digestion	International Conference on Energy, Environment and Industrial Safety	Department of Applied Science and Technology, Anna University	22 <sup>nd</sup> & 23 <sup>rd</sup> February 2018	Chennai, India
28.	Diurnal and Nocturnal Monitoring of Ozone and Particulate Matter 2.5 In Chennai	International Conference on Energy, Environment and Industrial Safety	Department of Applied Science and Technology, Anna University	22 <sup>nd</sup> & 23 <sup>rd</sup> February 2018	Chennai, India
29.	An Innovative Methodology for Measuring the Effective Implementation of an Occupational	International Conference on Energy, Environment and Industrial Safety	Department of Applied Science and Technology, Anna University	22 <sup>nd</sup> & 23 <sup>rd</sup> February 2018	Chennai, India

	Health and Safety Management System In Small and Medium Scale Enterprises				
30.	Biohydrogen Production from Organic Fraction of Municipal Solid Waste-Resource Person	International Conference on Energy, Environment and Industrial Safety	Department of Applied Science and Technology, Anna University	22 <sup>nd</sup> & 23 <sup>rd</sup> February 2018	Chennai, India
31.	Participant	International Workshop on Advanced Materials and Device Technology	Crystal Growth Centre, Anna University	22 <sup>nd</sup> & 24 <sup>th</sup> November 2017	Chennai, India
32.	Comparative Studies on Adsorption of Dye and Heavy Metal Ions from Effluents Using Ecofriendly Adsorbent	International Conference on Advances in Functional Materials	University of California	14 <sup>th</sup> to 17 <sup>th</sup> August 2017	Los Angeles, USA
33.	Participant	International Conference on Frontier Areas in Chemical Technologies	Alagappa University	21 <sup>st</sup> to 23 <sup>rd</sup> March 2016	Karaikud, India
34.	Bio-magnification and its Carcinogenetic Effect in Humans	International Conference on Recent Advances in Diagnosis and Treatment of Metabolic Disorders	Centre for Biotechnology, Anna University	18 <sup>th</sup> & 19 <sup>th</sup> March 2016	Chennai, India
35.	Plenary Lecture- Nanomaterials for Green Technology	3 <sup>rd</sup> International Workshop on Advanced Functional Nanomaterials	Centre for Nanoscience and Technology, Anna University	16 <sup>th</sup> to 18 <sup>th</sup> December 2015	Chennai, India
36.	Heterogeneous Catalytic Process for Biodiesel Production	2 <sup>nd</sup> International Conference on Bioenergy,	Department of Biotechnology, ArunaiEngineeri	28 <sup>th</sup> to 31 <sup>st</sup> January 2015	Tiruvannamali, India

		Environment and Sustainable Technology	ng College		
37.	Thematic Mapping for Dispersion of Industrial Pollution	International Conference on Atmospheric Dust	AISA - onlus	1 <sup>st</sup> to 6 <sup>th</sup> June 2014	Italy
38.	Equilibrium and Kinetics Absorption Studies of Acid Red Dye from Aqueous Solution Using Low Cost Setaria	3 <sup>rd</sup> International Conference and Exhibition of The Institute of Public Health Engineers	IPHE, Chennai Pondichery Regional Center and Central Leather Research Institute	12 <sup>th</sup> to 14 <sup>th</sup> March 2014	Chennai, India
39.	Participant	International Conference on Materials and Characterization Techniques	VIT University	10 <sup>th</sup> to 12 <sup>th</sup> March 2014	India
40.	Participant	International Workshop on Environmental and Occupational Health	Department of Public Health and Manipal University	16 <sup>th</sup> & 17 <sup>th</sup> December 2013	Manipal, India
41.	Biodegradation of Remazol Brilliant Blue R Using Bacteria	International Conference on Green Technology in Engineering and Applied Sciences	Adhiparasakti Engineering College	29 <sup>th</sup> & 30 <sup>th</sup> March 2013	India
42.	Participant	Recent Advances in Textile and Electrochemical Science	Department of Industrial Chemistry, Alagappa University	21 <sup>st</sup> to 23 <sup>rd</sup> March 2013	Karaikudi, India
43.	Ecofriendly synthesis of silver nanoparticles and its antibacterial activity against various pathogens	ASTMH, Annual Meet'12	ASTM-H	11 <sup>th</sup> to 17 <sup>th</sup> November 2012	Atlanta, USA
44.	Synthesis and characterization of heterogeneous base	International Conference on Biotechnology	Vivekanandha Engineering College	11 <sup>th</sup> March 2011	Thiruchengode, India

	catalyst for biodiesel production	and Global Warming			
45.	Biodiesel production – Kinetic Modeling and Optimization	International Conference on Biotechnology and Global Warming	Vivekanandha Engineering College	11 <sup>th</sup> March 2011	Thiruchengode, India
46.	Removal of Cadmium ions from aqueous solution by polyazomethine resin as an adsorbent	International Conference on Biotechnology and Global Warming	Vivekanandha Engineering College	11 <sup>th</sup> March 2011	Thiruchengode, India
47.	High Permeate Recovery for Concentrate Reduction Through Integrated Membrane Process	Indo-Europe Workshop on Recent Developments in Membrane Technology for Industrial Applications	Department of Chemical Engineering, Anna University	10 <sup>th</sup> & 11 <sup>th</sup> February 2011	Chennai, India
48.	Polymeric Resins in Membrane Production	Second International Conference on Polymer Processing and Characterization	Institute of Macromolecular Science and Engineering	15 <sup>th</sup> to 17 <sup>th</sup> January 2010	Kerala, India
49.	Participant	International Conference on Molecular Tools in Environmental Toxicology	National Environmental Research Institute	23 <sup>rd</sup> & 24 <sup>th</sup> September 2009	Nagpur, India
50.	Special Trend of surface ozone observed at industrial site, in Chennai	3 <sup>rd</sup> Annual University of Regina Graduate Student Research Conference, Putting Theory into Practice: Transferring Creativity into Community Wisdom-III.	University of Regina	11 <sup>th</sup> & 12 <sup>th</sup> April 2008	Saskatchewan, Canada



51.	Annual variability of surface ozone at an urban coastal site	57th Canadian society of chemical engineering and oilsands conference	Canadian society of chemical engineering and oilsands	28 <sup>th</sup> to 31 <sup>st</sup> October 2007	Edmonton, Alberta, Canada
52.	Case Study on the Presence of Iron in Water using Biomarker Tools	International Conference on Biomarkers in Health and Environmental Management	Department of Environmental Science, PSG College of Arts and Science	10 <sup>th</sup> to 12 <sup>th</sup> January 2007	Coimbatore, India
53.	Solid Waste Treatment and Recycling	8 <sup>th</sup> Asian Academic Network for Environmental Safety and Waste Management	Anna University	10 <sup>th</sup> to 13 <sup>th</sup> December 2006	India, Chennai
54.	Detection of DNA Damage Induced by the Metals (Cr and Pb) in Human Lymphocytes	International Conference and Symposium of The Environmental Mutagenesis and Public Health	Food and Drug Toxicology Research Centre,ICMR	23 <sup>rd</sup> to 25 <sup>th</sup> February 2006	Hyderabad, India
55.	Participant	International Conference on Climate Change and its Impact in Coastal Areas	Department of Chemical Engineering	25 <sup>th</sup> January 2006	Chennai, India
56.	Bio-Gasification of Municipal Solid Waste with Domestic Sewage	2 <sup>nd</sup> International Conference on Chemical and Bioprocess Engineering	Uneversiti Malaysia Sabah	8 <sup>th</sup> to 10 <sup>th</sup> December 2005	Kota Kinabalu, Sabah, Malaysia
57.	Environmental Impact Assessment for Municipal solid waste in Chennai city	International symposium on Recent Advances in Water Resources Development and Management	Indian Institute of Technology	23 <sup>rd</sup> to 25 <sup>th</sup> November 2005	Roorkee, India

58.	Bio- Gasification of Municipal solid waste	14th European Biomass conference for energy Industry and climate protection	European Commission UNESCO, UCFF	17 <sup>th</sup> to 21 <sup>st</sup> October 2005	Paris, France
59.	Remedial measure of Sustainability of Hazardous waste	5th International R & D Conference on Development and management of water and energy resources	Central Board of Irrigation and Powe	15 <sup>th</sup> to 18 <sup>th</sup> February 2005	New Delhi, India
60.	Synthesis of Organoclay and its Application in Wastewater Treatment	International Conference on Environment, Ecology and Pollution,	Arunai Engineering College	06 <sup>th</sup> & 07 <sup>th</sup> January 2005	Tiruvannamalai, India
61.	The Effect of Water Soluble Salts on the Ice Nucleating Ability of AgI - AgCl - CuI System	1st Asia Aerosol Conference,	The Aerosol Society	22 December 2004	Nagoya, Japan
62.	Evaluation of fly ash for the removal of methylene blue from its aqueous solution	10 <sup>th</sup> Annual Water Environment Federation(WEF ) Industrial Wastes and Regulatory Conference	Water Environment Federsation	22 <sup>nd</sup> to 25 <sup>th</sup> August 2004	Pennsylvania, USA
63.	Treatment of Wastewater Effluent from Textile Industry	3 <sup>rd</sup> International Conference on Environment and Health	University of Madras	15 <sup>th</sup> to 17 <sup>th</sup> December 2003	Chennai, India
64.	Direct Observation of Gas Hydrate Crystals by Raman Spectroscopy	International Conference on Advances in Surface Science and Engineering	Indian Society of Analytical Scientist	21 <sup>st</sup> to 23 <sup>rd</sup> February 2001	Chennai, India
65.	Participant	Advanced Short Course on Biometeorology	Mediterranean Agronomic Institute of Bari	26 <sup>th</sup> June to 1 <sup>st</sup> July 1995	Sassari, Italy

		and Micrometeorology			
66.	Participant	International Conference of Crystallography	The National Research Council	16 <sup>th</sup> to 19 <sup>th</sup> July 1990	Toulouse, France
67.	Participant	International Symposium on Powder Diffraction	International Union of Crystallography	16-19, July 1990	Toulouse, France
68.	Nucleation program	Keynote address on nucleation program	Instituto, Fisbat, C.N.R	August 21, 1990	Italy

### National Conference

S.No.	Title of Presentation	Title of Event	Organizers	Date	Place
1.	Carbon Nanoarchitectonics in Fuel Cell Application and Energy Generation	37 <sup>th</sup> National Convention of Chemical Engineers and National Seminar on Battery Energy Storage System	Indian Institute of Engineers & Centre for Energy Storage Technologies, Anna University	9 <sup>th</sup> & 10 <sup>th</sup> , September, 2022	Chennai, India
2.	Integration of Anaerobic Digestion and Microbial Fuel Cell: A future interface between Methane & Electricity Grids	37 <sup>th</sup> National Convention of Chemical Engineers and National Seminar on Battery Energy Storage System	Indian Institute of Engineers & Centre for Energy Storage Technologies, Anna University	9 <sup>th</sup> & 10 <sup>th</sup> , September, 2022	Chennai, India
3.	Carbon Nanomaterials as Fuel Cell Components	AICTE Sponsored Two Days National Conference on Recent Advances in Mechanical & Petrochemical Engineering	Department of Mechanical Engineering & Petrochemical Engineering, Mahendra Institute of Engineering and Technology	1 <sup>st</sup> & 2 <sup>nd</sup> , September, 2022	Namakkal, India
4.	Conversion of Crude Glycerol into Renewable Methanol using Heterogeneous	AICTE Sponsored Two Days National Conference on	Department of Mechanical Engineering & Petrochemical	1 <sup>st</sup> & 2 <sup>nd</sup> , September, 2022	Namakkal, India

	Catalyst	Recent Advances in Mechannical & Petrochemical Engineering	Engineering, Mahendra Institute of Engineering and Technology		
5.	Fabrication of Heterostructured Ni/g-C <sub>3</sub> N <sub>4</sub> /Ag nanocomposite synthesized for efficient photocatalytic hydrogen production	AICTE Sponsored Two Days National Conference on Recent Advances in Mechannical & Petrochemical Engineering	Department of Mechanical Engineering & Petrochemical Engineering, Mahendra Institute of Engineering and Technology	1 <sup>st</sup> & 2 <sup>nd</sup> , September, 2022	Namakkal, India
6.	Temporal Variation of Particulate Matter Concentration in Urban Chennai, Tamilnadu	AICTE Sponsored Two Days National Conference on Recent Advances in Mechannical & Petrochemical Engineering	Department of Mechanical Engineering & Petrochemical Engineering, Mahendra Institute of Engineering and Technology	1 <sup>st</sup> & 2 <sup>nd</sup> , September, 2022	Namakkal, India
7.	Removal of Heavy Metal from Aqueous Solution Using Low-Cost Adsorbent	AICTE Sponsored Two Days National Conference on Recent Advances in Mechannical & Petrochemical Engineering	Department of Mechanical Engineering & Petrochemical Engineering, Mahendra Institute of Engineering and Technology	1 <sup>st</sup> & 2 <sup>nd</sup> , September, 2022	Namakkal, India
8.	Oppurtunities and Challenges in Pilot Scale Biodiesel Production Process from Waste Biomass	National Conference on Novel Innovations In Biotechnology, Bioengineering & Its Applications Towards The Next Millennium	Department of Biotechnology, Adhiyamaan College of Engineering	18 <sup>th</sup> & 19 <sup>th</sup> May, 2022	Hosur, India
9.	Synthesis and Characterization of Modified Cellulose for the Removal of Cadmium (II) ions from Aqueous Solution	National Conference on Recent Advances in Chemical Research	SRM Institute of Science and Technology	12 <sup>th</sup> September 2019	Chennai, India
10.	Chemistry and	National	Saveetha	22 <sup>nd</sup>	Chennai,

	Materials	Conference on Chemistry and Materials	Engineering College	March 2019	India
11.	Clinical Biochemist	National Conference on Association of Clinical Biochemist of India	The West Bengal University of Health Sciences	24 <sup>th</sup> to 27 <sup>th</sup> October 2018	Goa, India
12.	Scientific Writing of Articles	Workshop on Research Methodology and Scientific Writing	Anna University	11 <sup>th</sup> & 12 <sup>th</sup> July, 2018	Chennai, India
13.	Participant	One Day National Seminar on Frontiers in Chemical Process Industries	Anna University	19 <sup>th</sup> March 2018	Chennai, India
14.	Special Lecture- Recent Development in Ceramic Coating Application for Rocket Propulsion	National Seminar on Ceramic Coatings	Department of Ceramic Technology, A.C. Tech, Anna University	13 <sup>th</sup> March 2017	Chennai, India
15.	Participant	National Workshop and Hands on Training Programme on Thin Film Solar Cells	Centre for Nanoscience and technology Anna University	11 <sup>th</sup> & 12 <sup>th</sup> November 2016	Chennai, India
16.	Participant	National Seminar on Stem Cell and Regenerative Medicine	Centre for Biotechnology and MHRD	11 <sup>th</sup> November 2016	Chennai, India
17.	Participant	National Seminar on Recent advances in Nanoscience and Technology	Centre for Nanoscience and technology Anna University	6 <sup>th</sup> & 7 <sup>th</sup> October 2016	Chennai, India
18.	Special Lecture-Ultra High Temperature Ceramics and its Application in Refractory	Refractory: Material, Installation and Applications	Department of Ceramic Technology, A.C. Tech, Anna University	5 <sup>th</sup> October 2016	Chennai, India
19.	Photocatalytic Degradation of Dyes Using Silver Nanoparticles	8 <sup>th</sup> Nation Conference on Recent trends in Chemical, Energy	SSN College of Engineering	19 <sup>th</sup> August 2016	Chennai, India

	Supported on Nanometric Diamond	and Environmental Engineering			
20.	Effective Removal of Environmental Pollutants from Wastewater	8 <sup>th</sup> Nation Conference on Recent trends in Chemical, Energy and Environmental Engineering	SSN College of Engineering	19 <sup>th</sup> August 2016	Chennai, India
21.	Invited Talk- Recent Advances in Crystal Application	26 <sup>th</sup> National Seminar on Crystal Growth and Epitaxy	Crystal Growth Centre, Anna University	14 <sup>th</sup> & 15 <sup>th</sup> March 2016	Chennai, India
22.	Participant	Faculty development on Nano Science and Analytical Techniques for Finding Novel Drugs	RVS Technical Campus	04 <sup>th</sup> March 2016	Coimbatore, India
23.	Synthesis of Chitosan Incorporated Lignocellulosic Material of the Sequestration of Pb(II) & Cu(II) from Industrial Effluent	National Level Technical Symposium	Bharathidasan institute of technology	19 <sup>th</sup> & 20 <sup>th</sup> February 2016	Tiruchirappalli, India
24.	Production of Bio-Diesel from Fish Waste	National Conference on Emerging Trends in Chemical Sciences	Jerusalem College of Engineering	06 <sup>th</sup> January 2016	Chennai, India
25.	Technical Communication	National Mission on Education Through ICT (MHRD)	Indian Institute of Technology	08 <sup>th</sup> October to 5 <sup>th</sup> December 2015	Mumbai, India
26.	Synthesis of Novel Chelating Polymer Bearing Pendant Groups for the Applications of Metal Sensing in Aqueous Media	National Conference on Development in Inorganic Applications	Department of Chemistry Periyar University	15 <sup>th</sup> & 16 <sup>th</sup> October 2015	Salem, India
27.	Modified Zeolite as a Catalyst for Pongamia Pinnata Oil Esterification in	3 <sup>rd</sup> National Conference on Recent Trends in Clean Technology	SSN College of Engineering	25 <sup>th</sup> September 2015	Chennai, India

	Biodiesel Production	for Sustainable Environment			
28.	Anaerobic Digestion of Food Waste and its Performance: Comparison with STP for Biofuel	3 <sup>rd</sup> National Conference on Recent Trends in Clean Technology for Sustainable Environment	SSN College of Engineering	25 <sup>th</sup> September 2015	Chennai, India
29.	Participant	National Biogas Convention on Current and Emerging Trends in Indian Bio-gas and Bio-Fertilizer Development	Indian Institute of Technology	15 <sup>th</sup> & 16 <sup>th</sup> September 2015	Delhi, India
30.	Invited Speaker- Environment Safety the Need of the Hour	National Conference on Emerging Issues in Environment, Occupational Health & Safety	Department of Applied Science and Technology, A.C.Tech, Anna University	22-24 <sup>th</sup> July 2015	Chennai, India
31.	Keynote Address and Session Chair	National Conference on Advancements and Challenges in Civil Engineering	Valliammai Engineering College	23 <sup>rd</sup> April 2015	Chennai, India
32.	Tea Powder Waste as a Potential Co-Substrate for Enhancing the Methane Production in Anaerobic Digester	2 <sup>nd</sup> National Conference on Recent Trends in Clean Technology for Sustainable Environment	SSN College of Engineering	10 <sup>th</sup> April 2015	Chennai, India
33.	Enhanced Biohydrogen Production from Leather Fleshing Waste Co-digested with Tannery Treatment Plant Sludge Using Anaerobic Hydrogenic Batch Reactor	2 <sup>nd</sup> National Conference on Recent Trends in Clean Technology for Sustainable Environment	SSN College of Engineering	10 <sup>th</sup> April 2015	Chennai, India
34.	Chief Guest - Speaker - Hydrocarbon Resources	National Conference on Unconventional Hydrocarbon Resources	Rajiv Gandhi College of Engineering	5 <sup>th</sup> March 2015	Chennai, India
35.	Special Lecture- Ceramic Application and its Thermal	DST PURSE- Two Day National Workshop on	Department of Ceramic Technology,	19 <sup>th</sup> & 20 <sup>th</sup> February 2015	Chennai, India

	Stability in the Sonic States	High Temperature Ceramics	A.C. Tech, Anna University		
36.	Experimental Investigation on Cleaner Process of Enhanced Fat-Oil Extraction from Alkaline Leather Fleshing Waste	1 <sup>st</sup> National Conference on Recent Trends in Clean Technology for Sustainable Environment	SSN College of Engineering	5 <sup>th</sup> December 2014	Chennai, India
37.	Utilization of Leather Fleshing Waste as a Feedstock for Sustainable Biodiesel Production	1 <sup>st</sup> National Conference on Recent Trends in Clean Technology for Sustainable Environment	SSN College of Engineering	5 <sup>th</sup> December 2014	Chennai, India
38.	Participant	Environmental Education and Awareness Programme	CPR Environmental Education Centre	24 <sup>th</sup> November 2014	Chennai, India
39.	Keynote Address and Session Chair	National Conference on Advancements and Challenges in Civil Engineering	SRM University	11 <sup>th</sup> April 2014	Chennai, India
40.	Carbon Nanomaterial Based Sensor for Identification of Copper and Chromium Ions	National Conference on Recent Advances in Nanomaterials for Sensor Applications	Alagappa University	6 <sup>th</sup> & 7 <sup>th</sup> March 2014	Karaikudi, India
41.	Participant	Workshop on R&D Project Proposal - Awareness, Needs and Benefits	Centre for Technology Development and Transfer, Anna University	26 <sup>th</sup> February 2014	Chennai, India
42.	Efficient Mesoporous SO <sub>4</sub> <sup>2-</sup> /Zr-KIT-6 Solid Acid Catalyst for Green Diesel Production from Esterification of Oleic Acid	Nation Conference on Recent Trends in Chemical, Energy and Environmental Engineering	SSN College of Engineering	26 <sup>th</sup> September 2013	Chennai, India
43.	Production, Partial Purification and Characterization of Enzyme Cocktail from Trichoderma	Nation Conference on Recent Trends in Chemical, Energy and	SSN College of Engineering	26 <sup>th</sup> September 2013	Chennai, India



	citrinoviride AUKAR04 through Solid-state Fermentation	Environmental Engineering			
44.	Comparative Studies in Ethanol Production Efficiency Using <i>zymomonas mobilis</i> <i>erwinia carotovora</i> <i>saccharomyces cerevisiae</i>	National Conference on Transfigures in Bioscience and Technology	Madha Engineering Clooee	13 <sup>th</sup> & 14 <sup>th</sup> September 2013	Chennai, India
45.	Adsorption of Toxic Pollutants from Wastewater	One day National Conference on Recent Advancements in Adsorption Science and Technology	SSN College of Engineering	2 <sup>nd</sup> August 2013	Chennai, India
46.	Participant & Exhibitor	Technology exhibition	Centre for Technology Development and Transfer, Anna University	13 <sup>th</sup> & 14 <sup>th</sup> May 2013	Chennai, India
47.	Participant	National Conference on Current Perspectives on Environmental Mutagenesis and Human Health	Environmental mutagen society of india	28 <sup>th</sup> to 30 <sup>th</sup> January 2013	Mumbai, India
48.	Crystal Growth	24 <sup>th</sup> National Seminar on Crystal Growth	Crystal Growth Centre, Anna University	20 <sup>th</sup> to 22 <sup>th</sup> December 2012	Chennai, India
49.	Removal of Cu (II) and Cr (III) ions from Aqueous Solutions by Adsorption onto acid activated <i>Satamia verticineto</i> carbon	National Conference on Transfigures in Bioscience and Technology	Madha Engineering College	25 <sup>th</sup> and 26 <sup>th</sup> September 2012	Chennai, India
50.	Participant	Orientation program on good laboratory practices	Regional Occupational Health Centre	30 <sup>th</sup> & 31 <sup>st</sup> March 2012	Bangalore, India
51.	Innovations in Physics and Chemistry	One day national conference on Innovations in Physics and Chemistry	Tejaa Shakthi Institute of Technology for Women	25 <sup>th</sup> February 2012	Coimbatore, India
52.	Participant	National Seminar	SSN College of	20 <sup>th</sup> & 21 <sup>st</sup>	Chennai,

		on Sustainable Water Resource Management	Engineering	January 2012	India
53.	Participant	Recent Initiatives in Higher Education and their Impact on Equity and Excellence	All India Federation Of University And College Teachers Organisations	21 <sup>st</sup> October 2011	Kanyakumari, India
54.	Participant	National Seminar on Green Chemistry for Greener Environment	Velammal Engineering College	18 <sup>th</sup> February 2010	Chennai, India
55.	Application of Nanomaterials in Ecological Wellbeing	National Conference on Nanotechnology: Current Approaches and Applications	Manonmaniam Sundaranar University	5 <sup>th</sup> & 6 <sup>th</sup> February 2010	Alwarkurlchi, India
56.	Organometallic Compound and its presence in Wastewater Effluent	National Conference on Material Science	Annamalai University	9 <sup>th</sup> & 10 <sup>th</sup> October 2009	Chidambaram, India
57.	Participant and Organiser	National Seminar on Safety, Environment and Health	Anna University	14 <sup>th</sup> & 15 <sup>th</sup> February 2008	Chennai, India
58.	Participant	National Conference on Environmental Challenges and Management	Bharathiar University	8 <sup>th</sup> & 9 <sup>th</sup> March 2007	Coimbatore India
59.	Participant	AICTE Staff Development Program on Spatial Information Technology for Disaster Monitoring and Management	Anna University	22 <sup>nd</sup> May to 2 <sup>nd</sup> June 2006	Chennai, India
60.	Participant	Short Term Course Certificate	Anna University	23 <sup>rd</sup> to 25 <sup>th</sup> February 2006	Chennai, India
61.	Rural Development with Technological Factors	One Day National Seminar on Technologies for	Anna University	10 <sup>th</sup> March 2006	Chennai, India

		Development and NSS exhibition			
62.	Participant	Effective Energy Management Through Energy Audit	Anna University	24 <sup>th</sup> to 26 <sup>th</sup> February 2006	Chennai, India
63.	Bio-augmentation and its Impact in Ecological Pyramid	National Seminar on Emerging Trends in Industrial Biotechnology	Vivekanandha College of Engineering for Women	17 <sup>th</sup> & 18 <sup>th</sup> February 2006	Tiruchengode, India
64.	Waste Management	One Day Seminar on Waste Management	Anna University	9 <sup>th</sup> February 2006	Chennai, India
65.	An Analysis of the Performance of Artificial Wetland for the Treatment of Textile Effluent	UGC-State Level Interdisciplinary Seminar on Scientific and Economic Dimensions of Integrating Environment Management with Development	PSG College of Arts and Science	1 <sup>st</sup> & 2 <sup>nd</sup> August 2003	Coimbatore, India
66.	Participant	National Seminar on Environmental Management	Bharathiar University	27 <sup>th</sup> March 2003	Coimbatore, India
67.	Air Pollution and Its Impact in Ecology	National Conference on Environmental Biology	Department Of Biosciences Saurashtra University	17 <sup>th</sup> & 18 <sup>th</sup> October 2002	Rajkot, India
68.	Participant	National Conference on Environmental Genomics and Health Sciences	CSIR-Industrial Toxicology Research Centre	19 <sup>th</sup> to 21 <sup>st</sup> March 2002	Lucknow, India
69.	Formation Mechanism of Peroxides in the reaction of Ozone with Olefins in the Air	National Symposium on Problems and Prospects of Environment in the New Millennium	Department of Biosciences, Mangalore University	14 <sup>th</sup> to 16 <sup>th</sup> December, 2000	Bangalore, India
70.	Aerosols and its Impact in Urban Life	National Seminar on Chemistry of Environmental Pollution and its Impact on Health	Seethalakshmi Ramaswame college	25 <sup>th</sup> & 26 <sup>th</sup> July 2000	Tiruchirapalli, India

71.	Participant	National Workshop on Environmental Awareness on Quality Management of Irrigation Water	Bharathiar University	17 <sup>th</sup> & 18 <sup>th</sup> February 2000	Coimbatore, India
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### Future Perspectives

Today there is a global accreditation, comparison and ranking of universities according to the outcomes. A major share of the evaluation score is for high quality research globally recognized in prestigious journals and forums. This is based on the presumption that only best research can support best education. Such a development alone will help introduce application-oriented innovative inter-, trans-, cross-disciplinary subjects and courses that'll be rare to find and make a mark on the quality of education.

Having contributed significantly with about 210 international publications from a well-equipped research facility, I am keen to provide the University with excellent research facility to perform advanced research. Only with research exposure can students be made creative and innovative. Providing faculty and student-friendly atmosphere and ecosystem to readily access quality research will be my top priority in the futuristic development of education.

I am keen about participatory development of an institution right from students to the administrative heads so that the products of the University are benefitted the most. Having served the Sports Board of Anna University as Chairman, Director- Centre for Sponsored Research and Consultancy, Centre for Entrepreneurship Development and served as HoD, Dean and Registrar i/c, I am fully aware of the effectiveness of such an approach on the basis that good health and mind will breed good development.

However, to achieve this, one has to be highly imaginative and inventive to get appropriate resources. Funding is an important ingredient for this success. My ability to work with various national funding agencies and obtain handsome grants will come handy to propose the research potential of an institution and convince for major funding.

Having spent long years on finding solutions for environmental issues on a variety of pollutions and having written 8 books my particular emphasis will be such that the education should be for societal relevance and environment conscious. Very importantly the students, staff and faculty will be actively involved in developing a green campus so that environmentally conscious world-class model institution will be built collectively.

**Prof. S. SIVANESAN**