Name of the Teaching Staff	Dr. A. OBADIAH			
Designation	ASSISTANT PROFESSOR (6000)			
Department/ School	Chemistry/ SSAMM			
Date of Joining the Institution	06.07.2012			
Qualification with Class / Grade	UG	PG	Ph.D.	
	I	II	Commended	
Area of Specialization	Antioxidant , Bio Fuel, Organic Chemistry & Analytical Chemistry			
Research Interests	Alternative fuel, Natural Products, Organic Synthesis			
Subjects Teaching				

Under Graduate	Post Graduate
Applied Chemistry Applied Engineering Chemistry Environmental Studies Analytical Chemistry and Spectroscopy Basic Organic Chemistry Basic Inorganic Chemistry Chemical Bonding and concepts of Acids and Bases Organic reaction intermediates and stereochemistry Atomic Structure, Thermodynamics and Electrochemistry Physical Chemistry	Analytical Chemistry Organic Chemistry Polymer Chemistry

Total Experience in Years	Teaching	Industry	Research	
	6 Year 3 Month	1 Year	5 Year	
Papers Published	National	5	International	10
Papers Presented in Conference	National	8	International	9
Conferences / Symposiums Participated	National	7	International	3
FDP / STTP / MDP / Summer / Winter School attended	1			
Ph.D. Guide? Give Field & University	Field		University	
	Alternative fuel, Natural Products, Organic Synthesis		Guideship in Karunya University	
Ph.D. Projects Guided	Ph.D.s	-	Project at	4

			Master's Level	
Books Published / IPRs / Patents	-			
Professional Memberships	1. Member in Oil Technologist Association of India (OTAI) 2. Member in Indian Science Congress (ISC) 3. Member American Standard Testing Method (ASTM) 4. Member of International Association of Engineers(IAENG)			
Consultancy Activities	-			
Awards	1. TNSTSC Student Project award – 2007 2. Best Research paper award in Karunya University – 2012 3. Karunya Short – Term Research Grant – 2013			
Grants Fetched	-			
Interaction with Professional Institutions	Collaborative Projects with other colleges and Research institute.			
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Papers Published

1. A. Durairaj, D.L. Jennifer, T. Sakthivel, **A. Obadiah**, S. Vasanthkumar, Development of tungsten disulfide ZnO nanohybrid photocatalyst for organic pollutants removal, Journal of Materials Science: Materials in Electronics, 2018, 29(22), pp. 19413-19424
2. A. Durairaj, T. Sakthivel, **A. Obadiah**, S. Vasanthkumar, Enhanced photocatalytic activity of transition metal ions doped g–$_{C3\ N4}$ nano sheet activated by PMS for organic pollutant degradation, Journal of Materials Science: Materials in Electronics , 2018, 29(10), pp. 8201-8209
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4. S. Ramanathan, E. Elanthamilan, **A. Obadiah**, S. Ramasundaram, S. Vasanthkumar, Aloe vera (L.) Burm.f. extract reduced graphene oxide for supercapacitor application, Journal of Materials Science: Materials in Electronics , 2017, 28(22), 16648-16657.
5. **A. Obadiah,** G. Sahaana, S. Simon, Arun Dakshinamoorthy, S. Vasanth Kumar, Nano heterogeneous catalyst for the production of biodiesel from *Azadirachta indica* AND *Citrullus colocynthis,* Int. J. Adv. Mat. Sci., 4 (1), 2013, 127 – 136.
6. **A. Obadiah**, G. Ajji Swaroopa, S. Vasanth Kumar, K.R. Jegannathan, Biodiesel Production using animal bone Derived solid oxide catalyst, Bioresource Technology, 116, 2012, 512-516. **Impact factor 4.9**
7. **A. Obadiah**, R. Kannan, A. Ramasubbu, S. Vasanth Kumar, Studies on the Effect of Antioxidants

on the Long-term Storage stability and Oxidation Stability of Pongamia pinnata (L.) Pierre Biodiesel, Fuel Processing Technology, 99, 2012, 56–63. **Impact Factor : 3.4**.

8. **A. Obadiah**, R. Kannan, P. Ramesh, A. Ramasubbu, S. Vasanth Kumar, Isolation of Bioactive Compounds from *Murraya koenigii (L.)Spreng* and study of their Anti oxidant Activity, Chemistry of Natural Compounds, *48 (1), 2012, 149 - 150*. **Impact Factor 1.02**
9. **A. Obadiah**, R. Kannan, P. Ravichandran, A. Ramasubbu, S. Vasanth Kumar, Nano Hydrotalcite as a Novel catalyst for Biodiesel Conversion, Digest Journal of Nanomaterials and Biostructures, 7 (1), 2012, 321 – 327. **Impact Factor 1.7**
10. **A. Obadiah**, R. Kannan, A. Ramasubbu, S. Vasanth Kumar, Mg–Al Hydrotalcite as Solid Base Catalyst for Biodiesel Production from Pongamia Oil, Journal of Scientific and Industrial Research. 71, 2012, 131 – 137. **Impact Factor 0.57**
11. **A. Obadiah**, R. Kannan, A. Ramasubbu, S. Vasanth Kumar, Studies on the Effect of Antioxidants on the Long-term Storage stability and Oxidation Stability of Jatropha Biodiesel, Int. J. Res. Chem. Environ. 2 (1) 2012, 130-139.
12. R. Kannan, S. Gouse Peera, **A.Obadiah**, S. Vasanth Kumar, MnO2 Supported POM–A Novel Nanocomposite for Dye Degradation, Digest Journal of Nanomaterials and Biostructures, Vol. 6, No 2, April - June 2011, p. 829 – 835. **Impact Factor 1.7**
13. **A.Obadiah**, R. Kannan, A. Ramasubbu, S. Vasanth Kumar, Comparative Study of Conventional, Microwave and Ultrasonic Assisted method of Conversion of Biodiesel from Pongamia Oil, Karunya Research Journal, Vol.3 (1), 2011, pp. 34 -46.
14. **A. Obadiah**, P.Sudeepika, G. Nalini, A. Ramasubbu, S. Vasanth Kumar, Extraction of Isomeric Scillerene Compound from *Urginea Indica* Bulb and study of its Biological Activity, Karunya Research Journal, Karunya Research Journal, Vol.3 (1), 2011, pp. 83 -91.
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1. Immanuel Premkumar, Ganesh @ Lenin.K, **A. Obadiah**, Yowan Nerthigan, Green synthesis and charecterization of Silver quantum dots by aqueous leaf extract of *phyllunthus and amarus* leaves and its antibacterial activity, 3rd International Conferences on Drug Delivery, February 28 – March 1, 2014, PSG College of Pharmacy, Coimbatore.
2. Immanuel Premkumar, Yowan Nerthigan, Lenin@Ganesh, **A. Obadiah**, Arun dakshinamurthy, Green Synthesis and Charecterization oa Quantum Dots synthesized by Aqueous Leaf Extract of Phyllanthusamarusand its Antibacterial Activity, 6th Bangalore Nano, December 4 – 6, 2013, Lalit Ashok, Bangalore.
3. G. Sahaana, **A. Obadiah**, Arun Dakshinamurthy, S. Vasanth Kumar, An Investigation of Biodiesel synthesis from *Jatropha curcus* oil using $Ce_{0.9}Ca_{0.1}O_{1.9}$ Nanocomposite as Catalyst, International Conference on Recent Advances in Textile and Electrochemical Sciences, March 21 – 23, 2013, Department of Industrial Chemistry, Alagappa University, Karaikudi.
4. **A. Obadiah**, Sahaana Gurusamy, Stanley Simon, Arun Dakshinamurthy, S. Vasanth Kumar,

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8. **A. Obadiah**, R. Kannan, Cynthia. E. Theodore, S. Selvaraj, A. Ramasubbu, S. Vasanth Kumar, A Scillerene compound is extracted from Urginea indica Culb an studies of their Biological Activity, on International Conference on Drug Design & development, January 21, 2011, Nadar Saraswathi College of Arts & science Theni, Tamilnadu.
9. **A. Obadiah**, R. Kannan, P.Ravichandiarn, A. Ramasubbu, S. Vasanth Kumar "Layered Double Hydroxide as a Novel Catalyst for the Transesterification of Pongamia Oil" International Conference on Bioresource technology – Its Applications & Achievements (7-8 october 2010), Nirmala College for women, Coimbatore, India.

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1. G. Ajji Swaroopa, I. Reya Issac, K.R. Jeganathan, **A.Obadiah**, S. Vasanth Kumar, Animal waste as a source for biodiesel production, National level technical symbosium [EVOGEN'11], 21st & 22nd March 2011, Karunya University, Coimbatore.
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2. Studies on the effect of antioxidants on the Long term storage stability and oxidation stability of Pongamia pinnata and Jatropha curcus biodiesel, Bio Energy – Oppotunities and Challenges, pp. 241- 276, CRC Press, Taylor & Francis Group. ISBN – 13: 978-1-4987-2205-6.

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