

HRD Division

Summary of Publications by the National Renewable Energy Fellows (NREFs) during year 2010-14

S.No.	Name	S.No.	List of Paper Publication
1.	Ms. R. Indumathi , (School of Energy Sciences, Madurai Kamaraj University, Madurai)	(A)	Paper Published in Journals
		(i)	R. Indumathi , S. Murugesan and Samuel Paul Raj, 2013. Applications of immobilized fungal biocatalyst for lipase production. International Journal of Current Science. 9: 63-70. ISSN 2250-1770.
		(II)	R. Indumathi , Samuel Paul Raj, 2013. Biodiesel production from microbial whole cell biocatalyst, Journal of Biodiversity and Environmental Sciences. 3(8): 94 – 101.ISSN: 2222-3045
		(III)	Sabariswaran, K., Papitha, P., Indumathi, R. , Selvakumar, S. and Samuel Paul Raj, 2013. Bio - hydrogen Production from sago effluent, Journal of Biodiversity and Environmental Sciences. 3(2): 17-23. ISSN: 2222-3045
		(B)	Papers Presented in National & International Seminars
		(i)	Indumathi. R and Samuel Paul Raj, Studies on statistical optimization of biodiesel production using immobilized fungal cells has been published in the proceedings of ENERGY FEST14 – Seminar on Advanced Technologies and Innovations in Energy and Environment March 2014 held in School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai.
		(ii)	Indumathi. R and Samuel Paul Raj, Application of whole cell fungal biocatalyst for lipase production has been published in the proceedings of National Level Conference on Frontier Vistas In Modern Biotechnology December 2013 held in The American College Madurai. (ISBN 978-81-928661-09)
		(iii)	Indumathi. R and Samuel Paul Raj, Fungal biocatalyst and its role in biodiesel production has been presented in “National Convention programme for National Renewable Energy Fellow” March 2013 held in Ministry of New and Renewable Energy, Government of India, Lodi Road, New Delhi.
		(iv)	Indumathi. R and Samuel Paul Raj, Studies on whole cell fungal biocatalyst and its application in biodiesel production, has been published in the proceedings of “National Science Day & 44th Aqua – Terr annual conference on Biological Sciences” February 2013 held in School of Biological Sciences, Madurai Kamaraj University, Madurai.
		(v)	Indumathi. R and Samuel Paul Raj, Studies on enhancement of lipase production using immobilized fungal cells for biodiesel production, has been published in the proceedings of “International Workshop and Conference on “Renewable Energy and Climate Change – Exploring opportunities for Sustainable Development” April 2012 held in School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai.
(vi)	Indumathi. R and Samuel Paul Raj, Whole cell catalyzed biodiesel production, has been published in the proceedings of “Tamil Science 12 th Congress” 2012 held in Periyar University, Salem.		

		(vii)	Indumathi. R and Samuel Paul Raj, Enzyme catalyzed biodiesel production, has been published in the proceedings of "Tamil Science 9 th Alagappa University, Karaikudi.
		(viii)	Indumathi. R. , and Samuel Paul Raj, Bio monitoring of Toxic Heavy metals using Lichens, has been published in the proceedings of "National conference on Role of Environmental Change in the lower group Biodiversity with special reference to algal diversity" 2010 held in Women's Christian College, Nagercoil.
		(ix)	Indumathi. R. , Suresh. S and Samuel Paul Raj, Preparation and application of whole cell lipasebiocatalyst for biodiesel production, has been published in the proceedings of "Biogalaxia 2010" held in Bharathiar University, Coimbatore.
		(C)	Book Chapter
		(i)	Valrmathi, P., Papitha, P., Indumathi, R and Samuel Paul Raj Biodiesel production from a mixture of Neem and Castor Oil, Renewable Energy Research, 2011. (ISBN -13: 978 - 81908282 - 76)

2.	Ms. Anjali Bajwa, [TERI University, Vasant Kunj, New Delhi]	(A)	Paper Published in Journals
		(I)	Anjali Bajwa , Francisca Moraga, Malini Balakrishnan, Gunnar Svensson, Vidya S.Batra, Activated carbon monoliths by pressureless technique for environmental applications (Submitted to "Environmental Progress and Sustainable Energy" journal)
		(II)	Anjali Bajwa , Malini Balakrishnan, Gunnar Svensson, Vidya S. Batra, Monoliths and activated carbons from unburned carbon in bagasse fly ash (ready for submission)
		(III)	Anjali Bajwa , Malini Balakrishnan, Gunnar Svensson, Vidya S. Batra, Carbon monoliths from unburned carbon in bagasse fly ash: Synthesis, characterization and phenol adsorption capacities (under preparation)
		(B)	Papers Presented in National & International Seminars
		(i)	12th Conference of the European Ceramic Society (ECerS XII) held in June 2011, Stockholm, Sweden. Presented work on "Composite carbon membrane filters from bagasse fly ash"
		(ii)	Conference on Advanced Membrane Technology V: Membranes for Sustainable Water, Energy and the Environment held in October 2012, Singapore. Presented work on "Composite membranes from bagasse fly ash"
		(iii)	Szeged International Workshop on Advances in Nanoscience (SIWAN) held in October 2012, Szeged, Hungary. Presented work on "Nanoporous carbon from unburned carbon in bagasse ash"
		(iv)	XIth International Conference on Nano structured materials (NANO 2012) held on 26th - 31st August 2012, Rhodes, Greece. Presented work on "Porous carbon monoliths from activated carbon"

		(v)	National Convention of National Renewable Energy Fellows, organized by Ministry of New and Renewable Energy (MNRE) held on 6th – 7th March, 2013, New Delhi, India. Presented work on “Synthesis, characterization and testing of carbon membranes and monoliths from unburned carbon in bagasse fly ash for biogas enrichment”
3.	Ms. Shivakshi Jasrotia , [TERI University, Vasant Kunj, New Delhi]	(A)	Paper Published in Journals
		(i)	Jasrotia S , Kansal A, Kishore V. V. N. Arsenic phyco-remediation by Cladophora algae and measurement of arsenic speciation and location of active absorption site using electron microscopy. Microchemical 2014 114(): 197-202. (Impact : 2.8)
		(ii)	Jasrotia, S. , Kansal, A., Kishore, V.V.N., (2012). Application of solar energy for water supply and sanitation in Arsenic affected rural areas: A study for Kaudikasa village, India. Journal of Cleaner Production, 37, pp 389-393. (Impact: 3.4)
		(iii)	Jasrotia. S. , Kansal. A., Kishore. V.V.N., (2012). Renewable energy application for sustainable water supply and sanitation in rural areas. Published in International conference for sustainable development and governance at Amrita University, Coimbatore.
4.	Mr. K. Anbalagan, Department of biotechnology, Anna University, Tiruchirappalli.	(A)	Paper Published in Journals
		(i)	Mookan Rengasamy, Krishnasamy Anbalagan , Sundaresan Mohanraj, Velan Pugalenthii 2014 ‘ Biodiesel Production from Pongamia pinnata Oil using Synthesized Iron Nanocatalyst’, International Journal of ChemTech Research , Vol.6, No.10, pp. 4511-451.
		(ii)	Sundaresan Mohanraj, Krishnasamy Anbalagan , Shanmugam Kodhaiyolii, Velan Pugalenthii 2014, ‘Comparative evaluation of fermentative hydrogen production using Enterobacter cloacae and mixed culture: Effect of Pd (II) ion and phytogenic palladium nanoparticles’, Journal of Biotechnology, Vol. 192, Part A, pp. 87–95.
		(iii)	Anbalagan , K, Mohanraj, S, Kodhaiyolii, S & Pugalenthii, V 2014, ‘Enhanced biohydrogen production from glycerol using pretreated mixed culture’, Recent Advances in Bioenergy Research vol.III (ISBN No. 978-81-927097-2-7) pp. 273-279
		(iv)	Mohanraj, S, Anbalagan , K, Kodhaiyolii, S & Pugalenthii, V 2014, ‘Biohydrogen productions using single chamber membrane free microbial electrolysis cell with stainless steel cathode’, Recent Advances in Bioenergy Research vol.III (ISBN No. 978-81-927097-2-7) pp. 419-426.
		(v)	Rengasamy, M, Pugalenthii, V, Mohanraj, S, Anbalagan , K & Kodhaiyolii, S 2014, ‘Production of biodiesel from neem oil using synthesized iron nano catalyst’, Recent Advances in Bioenergy Research vol.III (ISBN No. 978-81-927097-2-7) pp. 337-345.
		(vi)	V. Theresa, S. Kodhaiyolii, S. Mohanraj, K.Anbalagan and V. Pugalenthii. Development of nano-biohydrogel for antibacterial studies. NanoBio 2013, Collaborative International Conference on 27 -29th June 2013.

		(vii)	S. Kodhaiyolii, I. Cindhiya, S. Mohanraj, K. Anbalagan and V. Pugalenti. Biopolymer synthesis by isolated bacterial strain from soil. International Conference on Advances in Biotechnology and Bioinformatics (ICABB 2013) during November 25th - 27th, 2013.
5.	Ms. Sweta Yadav, [University of Delhi South Campus, New Delhi(Department of Microbiology)]	(A)	Paper Published in Journals
		(i)	Yadav, S., Rawat, G., Tripathi, P., Saxena, R.K. (2014). A novel approach for Biobutanol production by Clostridium acetobutylicum using glycerol: a low cost substrate. Renewable Energy. 71: 37–42.
		(ii)	Yadav, S., Rawat, G., Tripathi, P., Saxena, R.K. (2014). Dual substrate strategy to enhance butanol production using high cell inoculum and its efficient recovery by pervaporation. Bioresource Technology. 152: 377–383.
		(iii)	Tripathi, P., Rawat, G., Yadav, S. and Saxena, R.K. (2014). Shikimic acid, a base compound for the formulation of swine/avian flu drug: statistical optimization, fed-batch and scale up studies alongwith its application as an antibacterial agent. Antonie van Leeuwenhoek. (DOI: 10.1007/s10482-014-0340-z).
		(iv)	Saran, S., Yadav, S. and Saxena, R.K. (2014). Development of a highly sensitive,fast and efficient screening technique for the detection of 2,3-butanediol by thin layer chromatography. Journal of Chromatography & Separation Technique. (Accepted).
		(v)	Kumar, V., Yadav, S., Jahan, F., Raghuwanshi, S. and Saxena, R.K. (2013). Organic synthesis of maize starch based polymer using Rhizopus oryzae lipase, scale up and its characterization. Preparative Biochemistry and Biotechnology. 44(4): 321-31.
		(vi)	Tripathi, P., Rawat, G., Yadav, S. and Saxena, R.K. (2013). Fermentative production of shikimic acid: a paradigm shift of production concept from plant route to microbial route. Bioprocess and Biosystems engineering. 36 (11): 1665-1673.
		(vii)	Rawat, G., Tripathi, P., Yadav, S. and Saxena, R.K (2013). An interactive study of influential parameters for shikimic acid production using statistical approach, scale up and its inhibitory action on different lipases. Bioresource Technology. 144: 675–679.
		(viii)	Anand, P., Saxena, R.K., Yadav S., Jahan, F. (2010). A greener solution for darker side of biodiesel: utilization of glycerol in 1,3-propanediol production. Journal of Biofuels. 1(1) 83–91.
		(B)	Papers Presented in National & International Seminars
		(i)	Presentation on “Potential of Clostridium acetobutylicum for butanol production using glycerol” in the Indraprastha International Conference on Biotechnology, October, 22-25, 2013, held at University School of Biotechnology, Guru Gobind Singh Indraparastha University.
		(ii)	Presentation on “Butanol: Conversion of glycerol into biobutanol by Clostridium acetobutylicum: turning bacteria into biofuel factories” in the European Biotechnology Congress, May 16-19, 2013, Bratislava, Slovakia.

		(iii)	Presented a paper in National Convention of National Renewable Energy Fellows held on 6th to 7th March, 2013 in New Delhi.
		(iv)	Presentation on “Butanol: A Burning issue for the second generation biofuels” in the International Symposium on “New Horizons in Bioenergy Research (NHBR-2013)” (January 14-16, 2013). IIT Kharagpur.
		(v)	Poster presented on “Potential of Clostridium acetobutylicum KF158795 for ABE fermentation using glycerol as a raw material” in the international conference on “Asian Congress on Biotechnology 2013” under the aegis of Asian Federation of Biotechnology, held at IIT, New Delhi (December 15-16, 2013), India.
		(vi)	Poster presented in National Science Day Symposium-2012 at Delhi University South Campus.
		(vii)	Presentation on “Butanol: A Burning issue for the second generation biofuels” in the 9th BRSI Convention and International Conference on Industrial Biotechnology, November, 21-23, 2012, Punjabi University, Patiala.
		(viii)	Poster presented on “Biobutanol production by Clostridium acetobutylicum from glycerol a low cost substrate” in the international conference on “New Horizons in Biotechnology”, VIIIth Convention of the Biotech Research Society, India (www.brsi.in) held at National Institute for Interdisciplinary Science and Technology, CSIR, Trivandrum (November 21-24, 2011), India.
		(ix)	Poster presented on “Microbial production of n-butanol: a potential future biofuel” in the Indo – Italian Conference on “Green Chemistry and Natural Products” at Department of Chemistry, University of Delhi, New Delhi on 5-6 December 2008.

6.	Mr. S. Ananthakumar, [Anna University, Chennai(CRYSTAL GROWTH CENTRE)]	(A)	Paper Published in Journals
		(i)	“Multi-photon induced photoluminescence in TGA capped CdTe nanoparticles” J.Jayabalan, S.Ananthakumar , Salahuddin Khan, Asha Singh, Puspen Mondal, Arvind K. Srivastava, S. Moorthy Babu and Rama Chari, Asian Journal of Chemistry , Vol 25, Supplementry issue , 2013, S42-44.
		(ii)	“Enhanced Light Absorption in CdTe nanoparticle/P3HT Nanofiber Blends” , Ananthakumar.S , Ramkumar.J and Moorthy Babu.S , AIP Conf. Proc. 1536, 2013. pp.167-168, DOI: 10.1063/1.4810153 .
		(iii)	“Synthesis and Efficient Phase Transfer of CdSe Nanoparticles for Hybrid Solar Cell Applications,” S. Ananthakumar , J. Ramkumar, and S. Moorthy Babu, Conference Papers in Energy , vol. 2013, Article ID 194638 DOI: 10.1155/2013/194638 .
		(iv)	“Size independent Peak Shift between Normal and Upconversion photoluminescence in MPA capped CdTe Nanoparticles” S. Ananthakumar , J. Jayabalan, Asha Singh, Salahuddin Khan, Subhash Prajapati, S. Moorthy Babu, and Rama Chari Pramana- J. Phys., 2014, 82 (2), 353-358. Impact Factor: 0.5.

	(v)	“Effect of ligand exchange in optical and morphological properties of CdTe nanoparticles/P3HT blend” S. Ananthakumar, J. Ramkumar and S. Moorthy Babu Solar Energy, 2014,106, 151-158. Impact Factor: 2.95.
	(vi)	“Synthesis of thiol modified CdSe nanoparticles / P3HT blends for hybrid solar cell structures” S. Ananthakumar, J. Ramkumar and S. Moorthy Babu Material Science in Semiconductor Processing, 2014, 22, 44-49. Impact Factor: 1.34.
	(vii)	“Effect of co-sensitization of CdSe nanoparticles with N3 dye on TiO2 nanotubes” S. Ananthakumar, J. Ramkumar and S. Moorthy Babu Solar Energy, 2014, 106, 136-142. Impact Factor: 2.95.
	(viii)	“Hydrothermal synthesis and characterisation of CuInSe2 nanoparticles using ethylenediamine as capping agent”J. Ramkumar, S. Ananthakumar and Moorthy Babu. S Solar Energy, 2014, 106, 177-183. Impact Factor: 2.95.
	(ix)	“Facile synthesis and transformation of Te nanorods to CdTe nanoparticles”S. Ananthakumar, J. Ramkumar and S. Moorthy Babu Material Science in Semiconductor Processing, 2014, 27, 12-18. Impact Factor: 1.34.
	(B)	Papers Presented in National & International Seminars
	(i)	“Development of Chalcogenide Nanoparticles for application in Hybrid Solar Cells” Ananthakumar.S and Moorthy Babu.S INDO-ITALIAN Advanced Level Workshop On Semiconductor Nanostructures, Ultra-Thin films and applications held at Crystal Growth Centre, Anna University, Chennai, India on September 8-10, 2010 (Oral presentation)
	(ii)	“The role of Chalocogenide nanoparticles in the development of Hybrid solar cells ”Ananthakumar.S and Moorthy Babu.S Tamil conference on Crystal Growth held at Department of Physics, Anna University,Chennai, India on October 18--21, 2010 (Oral presentation)
	(iii)	“Development of Hybrid solar cells using Thioglycolic acid (TGA) capped CdTe nanocrystals” Ananthakumar.S and Moorthy Babu.S Seminar on Micro solar energy and Utilization held at Indian Institute of Technology, Kanpur, India on September 3- 4, 2011. (Invited Talk)
	(iv)	“Synthesis and characterisation of organic ligand capped TiO2 nanoparticles for hybrid solar cells” , Ananthakumar.S, Ramkumar.J and Moorthy Babu.S , Indo-German Workshop on Advanced Materials for Future Energy Requirements-2012, held at University of Delhi, Delhi, India on November 29th to Dec 1st (Poster presentation)
	(v)	“Synthesis and efficient phase transfer of CdSe nanoparticles for hybrid solar cell applications”, Ananthakumar.S, Ramkumar. J and Moorthy Babu. S, International Conference on Solar energy Photovoltaic ,held at School of Electronics Engineering, KIIT University, Bhubaneswar, India on Dec 19th- 21st, 2012 (Oral presentation)
	(vi)	“Charge Transfer in CdTe nanocrystal-P3HT blends”, Ananthakumar. S, Ramkumar. J and Moorthy Babu.S , Twenty Fourth National Seminar on Crystal Growth held at Crystal Growth Centre, Anna University, Chennai, India on

		Dec 20-22, 2012 (Poster presentation)
(vii)	“Structural and optical analysis of surface treated TiO₂ nanoparticles /P3HT blends” , Ananthakumar.S, Ramkumar.J and Moorthy Babu. S, DAE-BRNS National Laser Symposium-21 held at Baba Atomic Research Centre, Mumbai, India on 6th- 9th February 2013 (Poster presentation)	
(viii)	“Size independent Peak Shift between Normal and Upconversion photoluminescence in MPA capped CdTe Nanoparticles” , S. Ananthakumar, J. Jayabalan, Asha Singh, Salahuddin Khan, Subhash Prajapati,S. Moorthy Babu, and Rama Chari, DAE-BRNS National Laser Symposium-21 held at Baba Atomic Research Centre, Mumbai, India on 6th- 9th February 2013 (Poster presentation)	
(ix)	“Muti-photon induced photoluminescence in TGA capped CdTe nanoparticles” , J. Jayabalan, S. Ananthakumar, Salahuddin Khan, Asha Singh, Puspen Mondal, Arvind K. Srivastava, S. Moorthy Babu and Rama Chari , “International Conference on Nanoscience and Nanotechnology (ICONN-2013), held at SRM University, Chennai, India on March 18-20, 2013 (Oral presentation)	
(x)	“Effect of thio alkyl acid capped CdTe nanoparticles sensitization with TiO₂ nanotubes” , Ananthakumar.S, Ramkumar.J and Moorthy Babu.S , National Conference on Advanced Materials(NCAM)- processing, materials and characterisation held at PSN college of Engineering and Technology, Tirunelveli, India on January 23-25, 2013 (Oral presentation)	
(xi)	“Cadmium Selenide (CdSe) Quantum dots Sensitized Photoanode for QDSSCs” , Ananthakumar. S , Ramkumar. J and Moorthy Babu. S , International Conference on Emerging Technologies- Micro to Nano 2013, held at BITS-PILANI- K K BIRLA GOA Campus, Goa, India on February 20-24, 2013 (Poster presentation)	
(xii)	“Enhanced Light Absorption in CdTe Nanoparticle/P3HT Nanofiber Blends” Ananthakumar.S, Ramkumar.J and Moorthy Babu.S “ International Conference on Recent Trends in Advanced Materials” held at Govt. Engineering College of Bikaner, Rajasthan, India on Feb 01-02, 2013 (Poster presentation)	
(xiii)	“Synthesis, characterisation and femtosecond laser analysis of TGA capped CdTe nanoparticles” Ananthakumar . S, Jayabalan. J , Ramkumar. J , Moorthy Babu. S, Asha Singh , Salahuddin Khan, and Rama Chari . 24th Annual General meeting of Material Research Society of India-MRSI-2013, held at IGCAR, Kalpakkam, India on February 11-13, 2013 (Poster presentation)	
(xiv)	“Development of Materials for Low cost Hybrid solar cells” Moorthybabu.S, Ananthakumar.S and Ramkumar. J 24 th Society of India-MRSI-2013, held at IGCAR, Kalpakkam, India on February 11-13, 2013. (Poster presentation)	
(xv)	“Development of High Efficiency Hybrid Solar Cells” Ananthakumar.S, Ramkumar.J and Moorthy babu.S “National Convention of National Renewable Energy Fellows” held at MNRE, CGO complex, New Delhi, India on March, 6th- 8th,	

		2013 (Oral presentation)
(xvi)		“Fabrication and analysis of CdSe nanoparticles sensitized TiO₂ nanotube solar cells” Ananthakumar.S, Ramkumar.J and Moorthy Babu. S “International Conference on Nanomaterials for frontier applications and Indo-Norwegian Workshop on Advanced materials for solar cells” held at Coimbatore Institute of Technology, Coimbatore India on July 10-12, 2013. (Oral presentation) .
(xvii)		“Hydrothermal synthesis of CuInSe₂ nanoparticles using ethylenediamine as capping agent” Ramkumar.J, Ananthakumar.S and Moorthy Babu “International conference on Nanomaterials for frontier applications and Indo-Norwegian Workshop on Advanced materials for solar cells” held at Coimbatore Institute of Technology, Coimbatore, India on July 10-12, 2013 (Poster presentation) .
(xviii)		“Aqueous synthesized CdTe nanoparticles for Hybrid solar cells” Ananthakumar. S, Ramkumar. J and Moorthy Babu. S “International Conference on Advanced materials, Processing and Devices” held at Madurai Kamaraj University, Madurai, India on July 15-16, 2013 (Poster presentation) .
(xix)		“Optical properties of CdX(X=Se,Te)/P3HT blends for hybrid solar cells” Ananthakumar S, Ramkumar. J and Moorthy Babu. S “National Seminar on Spectroscopic techniques and its applications for material characterization” held at University of Kerala, India on October 3-4, 2013 (Oral presentation)
(xx)		“Structural and Optical Analysis on Cu₂ZnSnS₄ (CZTS) Nanosheets for Low Cost Solar Cells” Ananthakumar. S, Ramkumar.J and Moorthy Babu.S “ International Conference on Functional Materials (ICFM)-2014 held at IIT Kharagpur, India on February 5-7, 2014 (Oral Presentation)
(xxi)		“Hydrothermal synthesis and characterization of CuInSe₂ nanoparticles using ethylenediamine and thiol as capping agent” Ramkumar. J, Ananthakumar. S and Moorthy Babu. S “International Conference on Functional Materials (ICFM)-2014” held at IIT Kharagpur, India on February 5-7, 2014 (Oral Presentation)
(xxii)		“Synthesis and conversion mechanism of tellurium (Te) nanorods into Luminescent Cadmium telluride (CdTe) nanoparticles” Ananthakumar. S, Ramkumar. J and Moorthy Babu. S “International Conference on Advanced Functional Materials (ICAFM-2014)” held at Trivandrum, Kerala, India on February 19-21, 2014 (poster presentation)
(xxiii)		“Influence of capping agent and its ratio on the structural and morphology of CuInSe₂ nanoparticles by wet chemical method” Ramkumar. J, Ananthakumar. S , and Moorthy Babu. S “International Conference on Advanced Functional Materials (ICAFM-2014)” held at Trivandrum, Kerala, India on February 19-21, 2014 (poster presentation)
(xxiv)		“Synthesis and characterisation of oleylamine capped CZTSe nanoparticles for alternative counter electrodes in DSSCs” Ananthakumar. S, Ramkumar. J and Moorthy Babu.S “7 th India on February 24-26, 2014 (poster presentation)India-Singapore Symposium on Condensed Matter Physics” held at IIT Bombay, India on February 24-26, 2014 (poster presentation)

		(xxv)	“Synthesis and characterization of CuInSe₂ nanoparticles for solar cell application” Ramkumar. J, Ananthakumar. S, and Moorthy Babu. S “7 th on Condensed Matter Physics” held at IIT Bombay, India on February 24-26, 2014 (poster presentation)
		(xxvi)	“ Phase selective synthesis and characterization of Cu₂-xS nanoparticles through hot-injection method” Senthilkumar K, Ramkumar. J, Ananthakumar. S and Moorthy Babu. S, National Conference on Materials for energy storage and conversion (NCAM) processing, materials and characterization held at PSN college of Engineering and Technology, Tirunelveli, 4, 5 September 2014 (Oral presentation)
		(xxvii)	“ Synthesis and characterization of Cu₂ZnSn(S,Se)₄ nanoparticles using 1-dodecanethiol as sulphur source ” S. Ananthakumar, J. Ramkumar, S. Moorthy Babu and Y. Hayakawa “6 th world conference on photovoltaic energy conversion (WCPEC-6)” held at Kyoto international conference centre, Japan on November 23-27, 2014 (Poster presentation)
		(xxviii)	“Synthesis, Structural and Optical Analysis of Cu₂ZnSnSe₄ Nanoparticles/Poly-3-hexyl thiophene (P3HT) Hybrid Blends” Ananthakumar. S, Ramkumar. J and Moorthy Babu. S “ International Conference on Energy Harvesting, Storage and Conversion (IC-EEE)” will be held at Cochin University of Science and Technology, Kerala, India on February 5th-7th , 2015 (Accepted)
		(xxix)	“Optical, Structural and morphological properties of thiol capped CuInSe₂ nanoparticles” Ramkumar. J, Ananthakumar. S and Moorthy Babu. S “ International Conference on Energy Harvesting, Storage and Conversion (IC-EEE)” will be held at Cochin University of Science and Technology, Kerala, India on February 5th-7th, 2015 (Accepted)
		(xxx)	“Synthesis and characterization of phase tailored Diginite (Cu₉S₅) nanoparticles by hot-injection method ” Senthilkumar. M, Ramkumar. J, Ananthakumar. S and Moorthy Babu. S “International Conference on Energy Harvesting, Storage and Conversion (IC-EEE)” will be held at Cochin University of Science and Technology, Kerala, India on February 5 th -7 th , 2015 (Accepted)
		(xxxi)	“Influence of organic acid capped TiO₂ nanorods as photoelectrode in dye sensitized solar cell” Ananthakumar. S, Ramkumar. J and Moorthy Babu. S “International Conference on Sustainable Energy Technologies (ICSET-14) ” will be held at PSG College of Technology, Coimbatore, India on 11 th -13 th December, 2014 (Oral presentation)

7.	Mr. S.Mohanraj , [Anna University, Tiruchirappally(Department of biotechnology)]	(A)	Paper Published in Journals
		(i)	Mohanraj, S, Kodhaiyolii, S, Rengasamy, M & Pugalenth, V 2014, ‘Green synthesized iron oxide nanoparticles effect on fermentative hydrogen production by Clostridium acetobutylicum’ Applied Biochemistry and Biotechnology, vol.173, no.1, pp.318-331. (IF: 1.68)

	(ii)	Mohanraj, S , Kodhaiyolii, S, Rengasamy, M & Pugalenthii, V 2014, 'Phytosynthesized iron oxide nanoparticles and ferrous iron on fermentative hydrogen production using <i>Enterobacter cloacae</i> : Evaluation and comparison of the effects', International Journal of Hydrogen Energy , vol.39, no.23, pp. 11920-11929. (IF: 2.93)
	(iii)	Mohanraj, S , Anbalagan, K, Kodhaiyolii, S & Pugalenthii, V 2014, 'Comparative evaluation of fermentative hydrogen production using <i>Enterobacter cloacae</i> and mixed culture: Effect of Pd (II) ion and phytogenic palladium nanoparticles', Journal of Biotechnology , vol.192, Part A, no.20, pp. 87–95 (IF: 2.8)
	(iv)	Rengasamy, M, Anbalagan, K, Mohanraj, S & Pugalenthii, V 2014, 'Biodiesel Production from <i>Pongamia pinnata</i> Oil using Synthesized Iron Nanocatalyst', International Journal of ChemTech Research , vol.6, pp. 4511-4516.
	(v)	Rengasamy, M, Mohanraj, S , Harsha, S, Balaji, R & Pugalenthii, V 2014, 'Transesterification of castor oil using nano-sized iron catalyst for the production of biodiesel', Journal of Chemical and Pharmaceutical Sciences , Special Issue 2, pp. 108 – 112.
	(vi)	Balamurughan, M.G, Mohanraj, S , Kodhaiyolii, S & Pugalenthii, V 2014, 'Ocimum sanctum leaf extract mediated green synthesis of iron oxide nanoparticles: spectroscopic and microscopic studies', Journal of Chemical and Pharmaceutical Sciences , Special Issue 4, pp. 201 - 204.
	(B)	Papers Presented in National & International Seminars
	(i)	Kodhaiyolii, S, Cindhiya, I, Mohanraj, S , Anbalagan, K & Pugalenthii, V. 2013, 'Biopolymer synthesis by isolated bacterial strain from soil', International Conference on Advances in Biotechnology and Bioinformatics (ICABB 2013) during November 25 th - 27 th , 2013. (Poster presentation)
	(ii)	Theresa, V, Kodhaiyolii, S, Mohanraj, S , Anbalagan, K & Pugalenthii, V. 2013, 'Development of nano-biohydrogel for antibacterial studies', NanoBio 2013, Collaborative International Conference on 27 -29 th June 2013. (Poster presentation)
	(i)	S. Mohanraj , S. Kodhaiyolii, M. Rengasamy, V. Pugalenthii, Green synthesized iron oxide nanoparticles effect on fermentative hydrogen production by <i>Clostridium acetobutylicum</i> . Applied Biochemistry and Biotechnology, 2014; DOI: 10.1007/s12010-014-0843-0
	(ii)	S. Mohanraj, K. Anbalagan, S. Kodhaiyolii and V. Pugalenthii. Biohydrogen productions using single chamber membrane freemicrobialelectrolysis cell with stainless steel cathode. 3 rd National conference on Recent Advances in Bioenergy Research sponsored by The Ministry of New and Renewable Energy, Nov 22-24, 2013
	(iii)	K. Anbalagan, S. Mohanraj, S. Kodhaiyolii and V. Pugalenthii. Enhanced biohydrogen production from glycerol using pretreated mixed culture. 3 rd National conference on Recent Advances in Bioenergy Research sponsored by The Ministry of New and Renewable Energy, Nov 22-24, 2013

		(iv)	M. Rengasamy, V. Pugalenthii, S. Mohanraj, K. Anbalagan and S. Kodhaiyolii. Production of biodiesel from neem oil using synthesized iron nano catalyst. 3 rd National conference on Recent Advances in Bioenergy Research sponsored by The Ministry of New and Renewable Energy, Nov 22- 24, 2013
		(v)	V. Theresa, S. Kodhaiyolii, S. Mohanraj, K. Anbalagan and V. Pugalenthii. Development of nano-biohydrogel for antibacterial studies. NanoBio 2013, Collaborative International Conference on 27 -29 th June 2013.
		(vi)	S. Kodhaiyolii, I. Cindhiya, S. Mohanraj, K. Anbalagan and V. Pugalenthii. Biopolymer synthesis by isolated bacterial strain from soil. International Conference on Advances in Biotechnology and Bioinformatics (ICABB 2013) during November 25 th – 27 th , 2013.
		(C)	E-Book Chapter
		(i)	Mohanraj , S, Anbalagan, K, Kodhaiyolii, S & Pugalenthii, V 2014, Biohydrogen productions using single chamber membrane free microbial electrolysis cell with stainless steel cathode. Recent Advances in Bioenergy Research Vol.III, pp.419-426 (Available from: SSS-NIRE).
		(ii)	Anbalagan, K, Mohanraj , S, Kodhaiyolii, S & Pugalenthii V 2014, Enhanced biohydrogen production from glycerol using pretreated mixed culture. Recent Advances in Bioenergy Research Vol.III, pp. 273-279 (Available from: SSS-NIRE).
		(iii)	Rengasamy, M, Pugalenthii, V, Mohanraj , S, Anbalagan, K & Kodhaiyolii, S 2014, Production of biodiesel from neem oil using synthesized iron nano catalyst. Recent Advances in Bioenergy Research Vol.III, pp.978-981 (Available from: SSS-NIRE).

8.	Mr. Anil Kumar, [National Physical Laboratory, New Delhi(Material physics and engineering)]	(A)	Paper Published in Journals
		(i)	Anil Kumar , Avnish. P. Singh, Saroj Kumari, P.K. Dutta, S. K. Dhawan, Ajay Dhar, "Polyaromatic hydrocarbon based carbon copper composites for suppression of electromagnetic pollution" Journal of Material Chemistry A , 2014,2, 16632-16639 DOI: 10.1039/C4TA01655F
		(ii)	Anil Kumar , Sudhir Husale, A. K. Srivastava, P. K. Dutta, and Ajay Dhar "Cu-Ni nanoparticle decorated graphene based photodetector" Nanoscale , 2014 ,6, 8192-8198
		(iii)	Saroj Kumari, Anil Kumar , Avnish Pratap Singh, Manjari Garg , P.K. Dutta, S.K. Dhawan, Rakesh B. Mathur. "Cu-Ni alloy decorated graphite layers for EMI suppression" RSC Advances , 2014 , 4, 23202-23209.
		(iv)	Saroj Kumari, Anil Kumar , Pinaki Sengupta, P. K. Dutta, Rakesh B. Mathur "Improving the mechanical and thermal properties of semi-coke based carbon/copper composites reinforced using carbon nanotubes" Advanced materials letters , 2014, Volume 5, Issue 5, Page 265-271.
		(v)	Shashank Tripathi, Jai Prakash, Tilak Joshi, Anil Kumar , Ajay Dhar, Wolfgang Haase and Ashok M. Biradar "Enhanced dielectric and electro-optical properties of a newly synthesized ferroelectric liquid crystal material by doping gold nanoparticles decorated multiwalled carbon nanotubes" Liquid Crystals , 2013. Volume -40, Issue-9, Page No. 1255–1262.

	(vi)	Anu Malik, Jai Prakash, Anil Kumar , Ajay Dhar, and Ashok. M. Biradar "Copper oxide decorated multi-walled carbon nanotubes/ferroelectric liquid crystal composites for faster display devices" J. Appl. Phys. 2012, volume - 112 , Issu-5, Page No. 054309
	(vii)	Anil Kumar , Mandeep Kaur, Rajeev Kumar, P. R. Sengupta, V. Raman, Gopal Bhatia "Effect of incorporating nano silicon carbide on the properties of green coke based monolithic carbon" Indian journal of Engineering and Materials Science , 2010 Volume-17 Page No.-353-357.
	(viii)	Anil Kumar , M. Kaur, Rajeev Kumar, P. R. Sengupta, Vasantha Raman, G. Bhatia, K.N. Sood " Development of pitch-based carbon-copper composites" J Mater Sci. , 2010 Volume -45 Page No-1393-1400.
	(ix)	Rajeev Kumar, Anil Kumar , Mandeep Kaur, Sandeep Kumar, P. R. Sengupta, V.Raman, Gopal Bhatia "Influence of coal tar pitch coating on the properties of micro and Nano SiC incorporated carbon-ceramic composites" J Mater Sci 2009 Volume-44 Page No.-4633-4638.
	(B)	Papers Presented in National & International Seminars
	(i)	G. Bhatia, V. Raman, P.R. Sengupta, Anil Kumar , Sandeep Kumar and S. Babu "Development of Green Coke based High density - High strength - Isotropic graphite for Aeronautical applications", Proceedings of 23rd National Convention of Chemical Engineers Recent Trends in Chemical Engineering held on October 5-7, 2007 at IIT, Roorkee.
	(ii)	G. Bhatia, P.R. Sengupta, Anil Kumar , Rajiv Kumar and S. Babu "A Novel Impregnating-Grade Pitch Useful for Graphite Electrodes and C-C Composites" Proceedings of 23rd National Convention of Chemical Engineers on Recent Trends in Chemical Engineering held on October 5-7, 2007 at IIT, Roorkee.
	(iii)	G. Bhatia, V. Raman, P.R. Sengupta, Anil Kumar , Mandeep Kaur and R.K. Singh. "Development of special graphite for aeronautical applications" Second International Symposium of Advanced Materials and polymers for aerospace and defiance applications (SAMPADA -2008) Dec 08-12 2008 University Of Pune, Pune.
	(iv)	G. Bhatia, V. Raman, P.R. Sengupta, Anil Kumar , Mandeep Kaur, Ravi Kant and A.K.Gupta Development of High Density Graphite suitable for Multistage Depressed Collector of Electron Tubes" – Symposium on Vacuum Electronic Devices and Applications (VEDA- 2009), Institute of Technology, BHU, Varanasi – January 8-10,2009.
	(v)	Anil Kumar , S. Kumari, P.R. Sengupta, P.K. Dutta, A.Dhar, and R.B Mathur "Coating of Nano Copper on Self Sintering Carbon Based Precursor by Electroless Method and Preparation of C-Cu Composites Therefrom" Nov. 1-3 2012 ccm12 held at BARC, Mumbai
	(vi)	Presented paper on 'Development of high density high strength isotropic graphite for industrial application' at National Symposium of Material Science-Research and applications held on 4-5 Sept 2008 at National Physical Laboratory, New Delhi.

		(vii)	Presented paper on "Development of carbon-copper composites using self-sintering green coke as carbon source" at FIRST ASIAN CARBON CONFERENCE held on 25 th -27 th November at Indian Habitat Center, New Delhi
		(viii)	Presented paper on " Synthesis and characterization of MW-CNT reinforced Copper-Nickel alloy composite by chemical reduction method" at natsemchem2012 held on Ewing Christian College, Allahabad
		(ix)	Presented paper on "Photosensitivity of ZnO/rGraphene hybrid nano-composite" at 4th international conference on advance in composite (ICRACM-2013) held on 18-21 Feb. 2013 at International Centre GOA.
		(x)	Presented Paper on "Synthesis of graphene based Cu-Ni quantum dots: An ideal thermoelectric material" in E-MRS at Strasbourg on 28 may 2013 France.
		(xi)	Anil Kumar, M Kaur, Rajeev Kumar, P.R. Sengupta, Vasantha Raman, G. Bhatia, K.N. Sood " Development of pitch- based carbon -copper composites" J Mater Sci(2010) 45:1393-1400
		(xii)	Anil Kumar, M Kaur, Rajeev Kumar, P.R. Sengupta, Vasantha Raman, G. Bhatia " Effect of incorporating nano silicon carbide on the properties of green coke based monolithic carbon" published in Indian Journal of Engineering and Materials science,vol.17 Oct 2010.
		(xiii)	Anu Malik, Jai Prakash, Anil Kumar, Ajay Dhar and Ashok, M. Biradar" Copper oxide decorated multi-walled carbon nanotubes/ferroelectric liquid crystal composites for faster display devices" published in J. Appl. Phus.112,054309(2012)
		(xiv)	Shashant Tripathi, Jai Prakash, Tilak Joshi, Anil Kumar, Ajay Dhar, Wolfgang Haase and Ashok M. Biradar " Enhanced dielectric and electro-optical properties of a newly sythesized ferroelectric liquid crystal material by doing gold nanoparticales secorated multiwalled carbon nanotubes" about to publish with final comment in journal Liquid Crystals.(2012)
		(xv)	"A Process of Development of Carbon-copper composite using self sintering carbonaceous material".Gopal Bhatia, Anil Kumar, Pinaki R. Sengupta, Mandeep Kaur, Vasantha Raman and Ajay Dhar. Applied for Indian patent in Aug- 2010
		(xvi)	"A process of coat nano copper on self sintering carbon mateial by electroless method and development of carbon copper composite therefrom" Gopal bhatia, Anil Kumar, Saroj Kumari Pinaki R. Sengupta, Mandeep Kaur, Vasantha Raman and Sukhvir Singh, Applied for Indian Patent In August-2012.
		(c)	Patents
		(i)	Gopal Bhatia, Vasantha Raman, Pinaki Ranjan Sengupta, Rajendra Singh Bisht, Premlal Pundora, Mandeep Kaur, Anil Kumar "An improved process for the modification of semi coke suitable for the production of high density high strength graphite product." (Indian patent No.-456/DEL/2009, 09-03-2009)
		(ii)	Gopal Bhatia, Anil Kumar , Pinaki R. Sengupta, Mandeep Kaur, Vasantha Raman and Ajay Dhar. "Carbon-Copper Composite and a Process for Preparation Thereof" Applied for Indian patent and file no.1567DEL2014

9.	Mr. Ravi Kant Tripathi, [(National Physical Laboratory, New Delhi(Physics Of Energy Harvesting)]	(i)	Structural, nanomechanical and variable range hopping conduction behavior of nanocrystalline carbon thin films deposited by the ambient environment assisted filtered cathodic jet carbon arc technique, O. S. Panwar, Ishpal Rawal, R. K. Tripathi , A. K. Srivastava, Mahesh Kumar, Journal of Alloys and Compounds, (2015) (Just Accepted)
		(ii)	Investigations on phosphorus doped amorphous/nanocrystalline silicon films deposited by a filtered cathodic vacuum arc technique in the presence of hydrogen gas, A. K. Kesarwani, O. S. Panwar, R. K. Tripathi , M. K. Dalai, Sreekumar Chockalingam, Processing Materials Science in Semiconductor, 2015 , 31, 1-9.
		(iii)	Investigations on phosphorous doped hydrogenated amorphous silicon carbide thin films deposited by a filtered cathodic vacuum arc technique for photo detecting applications, R. K. Tripathi , O. S. Panwar, A. K. Kesarwani, Ishpal Rawal, B. P. Singh, M. K. Dalai and S. Chockalingam, RSC Advances, 2014 , 4, 54388-54397.
		(iv)	Effect of Substrate Bias and Gaseous Environment on the Field-Emission Threshold of Amorphous Carbon Films Having Embedded Nanocrystallites, , O. S. Panwar, R. K. Tripathi , A. K. Srivastava, Sreekumar Chockalingam, Advanced Science, Engineering and Medicine, 2014 , 6 (7), 820-828.
		(v)	Structural, nanomechanical, field emission and ammonia gas sensing properties of nitrogenated amorphous carbon films deposited by filtered anodic jet carbon arc technique, R. K. Tripathi , O. S. Panwar, A. K. Srivastava, Ishpal Rawal, Sreekumar Chockalingam, Talanta, 2014 , 125, 276-283.
		(vi)	Study of Phosphorus Doped Micro/Nano Crystalline Silicon Films Deposited by Filtered Cathodic Vacuum Arc Technique, A. K. Kesarwani, O. S. Panwar, R. K. Tripathi , M. K. Dalai, S. Chockalingam, Silicon, 2014 , 204, 1-9.
		(vii)	Structural, Nanomechanical, and Field Emission Properties of Amorphous Carbon Films Having Embedded Nanocrystallites Deposited by Filtered Anodic Jet Carbon Arc Technique, R. K. Tripathi , O. S. Panwar, A. K. Srivastava, Ishpal, Mahesh Kumar, and Sreekumar Chockalingam, Journal of Nanoscience, 2013 (2013), Article ID 401710, 11
		(viii)	Improved surface properties of β -SiAlON by diamond-like carbon coatings, Atul Bisht, Sreekumar Chockalingam, R. K. Tripathi , Neeraj Dwivedi, Saurabh Dayal, Sushil Kumar, O. S. Panwar, Jagdish Chand, Sandeep Singh, Ajay Kesarwani, Diamond and Related Materials, 2013 , 36, 44-50.
		(ix)	Influence of Silver Incorporation on the Structural and Electrical Properties of Diamond-Like Carbon Thin Films, N. Dwivedi, S. Kumar, J. D. Carey, R. K. Tripathi , H. K. Malik, M. K. Dalai, ACS Applied Materials & Interfaces, 2013 , 5 (7), 2725-2732.
		(x)	Effect of substrate bias in nitrogen incorporated amorphous carbon films with embedded nanoparticles deposited by filtered cathodic jet carbon arc technique, O. S. Panwar, S. Kumar, A. K. Srivastava, A. Chouksey, R. K. Tripathi , A. Basu, Materials Chemistry and Physics, 2012 , 132 (2), 659-666.

	(xi)	Effect of substrate bias in hydrogenated amorphous carbon films having embedded nanocrystallites deposited by cathodic jet carbon arc technique, O. S. Panwar, R. K. Tripathi , A. K. Srivastava, M. Kumar, S. Kumar, Diamond and Related Materials , 2012 , 25, 63-72.
	(xii)	Structural and electronic characterization of nanocrystalline diamondlike carbon thin films, N. Dwivedi, S. Kumar, R. K. Tripathi , J. D. Carey, H. K. Malik, M. K. Dalai, ACS applied materials & interfaces , 2012 , 4 (10), 5309-5316.
	(xiii)	Field emission, morphological and mechanical properties of variety of diamond-like carbon thin films, N. Dwivedi, S. Kumar, R. K. Tripathi , H. K. Malik, O. S. Panwar, Applied Physics A , 2011 , 105 (2), 417-425.
	(xiv)	Effect of substrate bias in amorphous carbon films having embedded nanocrystallites, O.S. Panwar, A. K. Srivastava, S. Kumar, R. K. Tripathi , M. Kumar, S. Singh, Surface and Coatings Technology , 2011 , 206 (1), 155-164
	(xv)	Improved nanomechanical properties of hydrogenated tetrahedral amorphous carbon films measured with ultra-low indentation load, O. S. Panwar, R. K. Tripathi and Sreekumar Chockalingam, Materials Express (under review).
	(xvi)	Effect of helium gas pressure on dc conduction mechanism and EMI shielding properties of nanocrystalline carbon thin films, Ishpal Rawal, O. S. Panwar, R. K. Tripathi and A. K. Srivastava, Material Chemistry and Physics (under review).
	(xvii)	Investigation of structural and nanomechanical properties of nanocrystalline carbon thin films for photo detecting application, Ishpal Rawal, Omvir Singh Panwar, Ravi Kant Tripathi , Avanish Kumar Srivastava, Mahesh Kumar, Sreekumar Chockalingam, Journal of Vacuum Science and Technology A (under review).
	(xviii)	Superior nano-mechanical properties of reduced graphene oxide reinforced shape memory polymer composites, Tejendra K. Gupta, Bhanu P. Singh, Ravi Kant Tripathi , Sanjay R. Dhakate, Vidya N. Singh, O.S. Panwar and Rakesh B. Mathur, RSC Advances (under review)
	(B)	Papers Presented in National & International Seminars
	(i)	Phosphorous Doped Hydrogenated Amorphous Silicon Carbide Films Deposited by Filtered Cathodic Vacuum Arc Technique, R. K. Tripathi , O. S. Panwar, Ajay Kumar Kesarwani and Sreekumar Chockalingam, V. K. Jain and A. Verma (eds.), <i>Physics of Semiconductor Devices, Environmental Science and Engineering</i> , Springer International Publishing Switzerland 2014, DOI: 10.1007/978-3-319-03002-9_96.
	(ii)	Growth and characterization of nitrogen incorporated amorphous carbon films having embedded nanocrystallites, R. K. Tripathi , O. S. Panwar, Ishpal and Sreekumar Chockalingam, V. K. Jain and A. Verma (eds.), <i>Physics of Semiconductor Devices, Environmental Science and Engineering</i> , Springer International Publishing Switzerland 2014, DOI: 10.1007/978-3-319-03002-9_176.

		(iii)	Synthesis and characterization of phosphorus doped hydrogenated silicon films by filtered cathodic vacuum arc technique, Ajay Kesarwani, O. S. Panwar, R. K. Tripathi and Sreekumar Chockalingam, V. K. Jain and A. Verma (eds.), Physics of Semiconductor Devices, Environmental Science and Engineering, Springer International Publishing Switzerland 2014, DOI: 10.1007/978-3-319-03002-9_137.
		(iv)	Nanoindentation Study of Mechanical Properties of Diamond Like Carbon Coatings, S.Chockalingam, R. K. Tripathi and O. S.Panwar, V. K. Jain and A. Verma (eds.), Physics of Semiconductor Devices, Environmental Science and Engineering, Springer International Publishing Switzerland 2014, DOI: 10.1007/978-3-319-03002-9_191.
		(v)	Investigation on amorphous silicon (a-Si) and amorphous silicon based alloy films deposited by filtered cathodic vacuum arc technique for photovoltaic application, Ravi Kant Tripathi , National Convention of National Renewable Energy Fellow 2013 at Govt. of India-MNRE (Oral Presentation)
		(vi)	Formation and optical properties of amorphous carbon film having embedded nanoparticles deposited by anodic jet carbon arc technique, R. K. Tripathi , O. S. Panwar, Ajay Kesarwani, Sushil Kumar, A. Basu, Proc. SPIE 8549, 16th International Workshop on Physics of Semiconductor Devices, 85492F (October 15, 2012); DOI:10.1117/12.927423.
		(vii)	Hydrogenated amorphous carbon films having embedded nanoparticles deposited by cathodic jet carbon arc technique, O. S. Panwar, Ishpal, R. K. Tripathi , A. K. Srivastava, Sushil Kumar, Proc. SPIE 8549, 16th International Workshop on Physics of Semiconductor Devices, 85491M (October 15, 2012); DOI:10.1117/12.924629.
		(viii)	Study of optical property of silver nanoparticle by nanosphere optics lab field simulator” by Atul Bisht, O.S. Panwar, Ajay Kesarwani, R. K. Tripathi , Kamlesh Patel and Sushil Kumar in 23rd AGM of MRSI at Thapar University 2012 (Poster)
		(ix)	Study of phosphorus doped silicon thin film grown by filtered cathodic vacuum arc technique, Ajay Kesarwani, O. S. Panwar, R. K. Tripathi , Atul Bisht and Sreekumar Chockalingam, TAPSUN 2012 at CSIR-NPL (Poster)
		(x)	Phosphorus doped amorphous silicon carbide film deposited by filtered cathodic vacuum arc technique, R. K. Tripathi , O. S. Panwar, Ajay Kesarwani and Sreekumar Chockalingam, TAPSUN 2012 at CSIR-NPL (Poster)
		(xi)	Filtered cathodic vacuum arc for the deposition of phosphorus doped amorphous/microcrystalline silicon films for solar cells, Ajay kesarwani, O. S. Panwar, R. K. Tripathi , Atul Bisht, Sushil Kumar and Kamlesh Patel, IWPSD2011 at IIT Kanpur (Poster.)
		(xii)	Solar cell ke surakshatmak parat ke liye carbon tanu parat ka upyog, R. K. Tripathi , O. S.Panwar, Ajay Kesarwani, Atul Bisht and Sushil Kumar, Solar Energy Symposium Hindi 2011 at CSIR-NPL (Poster)

10.	Mr. Rahul Singh Chutia, [Tezpur University, Tezpur (Dept. of Energy)]	(A)	Paper Published in Journals
		(i)	Rahul Singh Chutia, Rupam Kataki, Thallada Bhaskar. Thermogravimetric and decomposition kinetic studies of <i>Mesua ferrea</i> L. deoiled cake. <i>Bioresource Technology</i> , 139, 2013, 66-72. DOI: 10.1016/j.biortech.2013.03.191.
		(ii)	Rahul Singh Chutia, Rupam Kataki, Thallada Bhaskar. Characterization of solid and liquid product from pyrolysis of <i>Pongamia glabra</i> deoiled cake. <i>Bioresource Technology</i> , 165, 2014, 336-342. DOI: 10.1016/j.biortech.2014.03.118.
11.	Ms. Shukti Tomar , [Devi Ahilya Vishwavidyalaya, Indore]	(A)	Paper Published in Journals
		(i)	"Green Fuel Vision in India: Requires proper strategic planning for production of bio fuels. Shukti Tomar, Rana Pratap Singh, Rubina Chaudhary, Paper presented in First India International Energy Summit 28- 30 January, 2011, Nagpur, India
		(ii)	"Environmental Monitoring of hazardous waste disposal site – a case study", Shukti Tomar, Rana Pratap Singh and Rubina Chaudhary, International Journal of Science and Nature. ISJN., Vol 2(4): 837-843, ISSN :2229-6441(Published)
		(iii)	A mini assessment and study of the Compactibility of different pozzolonic materials for stabilization of different waste, Rana Pratap Singh, Rubina Chaudhary and Shukti Tomar, Journal of Indian Water Work Association, ISSN 0970-275X, January – March 2014 (Volume No.XXXXVI No. 1) pp-368-371
		(iv)	"Feasibility Study And Application Of Different Industrial Sludge For Landfilling/Propagation By Using Flyash, Soil And Chemical Coagulant ". By Rubina Chaudhary, Shukti Tomar, and Rana Pratap Singh, Indian Journal of Environmental Protection (Accepted).
		(v)	"A mini assessment and study of the compactibility of different pozzolonic materials for stabilization of different waste:, Rubina chaudhary, Rana Pratap Singh and Shukti Tomar, 27th ICWA 2012, Philadelphia, PA, USA.March 11-14,2012.
12.	Mr. J. Ram Kumar , [Anna University, Chennai]	(A)	Paper Published in Journals
		(i)	"Synthesis and Characterization of Sodium Bis(2-ethylhexyl) Sulfosuccinate (AOT) Capped Pure and Mn-Doped CdS Nanoparticles" D. Venkatesan, D. Deepan, J.Ramkumar, S. Moorthy Babu and R. Dhanasekaran Journal of Nanomaterials, Vol. 2012, Article ID 492573, 8 pages doi:10.1155/2012/492573 (2012)
		(ii)	"Synthesis and Efficient Phase Transfer of CdSe Nanoparticles for Hybrid Solar Cell Applications" S. Ananthakumar, J. RamKumar and S. Moorthy Babu Conference Papers in Energy, Vol. 2013, Article ID: 194638, doi:10.1155/2013/194638

		(iii)	“Enhanced Light Absorption in CdTe nanoparticle/P3HT Nanofiber Blends” S.Ananthakumar, J. RamKumar and S. Moorthy Babu AIP Conf. Proc. 1536, pp.167-168(2013) doi://dx.doi.org/10.1063/1.481015
		(iv)	Effect of co-sensitization of CdSe nanoparticles with N3 dye on TiO2 nanotubes S. Ananthakumar, J. RamKumar and S. Moorthy Babu Solar Energy, 106, 136–142 (2014)
		(v)	Synthesis of thiol modified CdSe nanoparticles / P3HT blends for hybrid solar cell structures S. Ananthakumar, J. RamKumar and S. Moorthy Babu Material Science in Semiconductor Processing, 22, 44-49 (2014)
		(vi)	Effect of ligand exchange in optical and morphological properties of CdTe Nanoparticles/P3HT blend S. Ananthakumar, J. RamKumar and S. Moorthy Babu Solar Energy, 106, 151–158 (2014)
		(vii)	Hydrothermal synthesis and characterisation of CuInSe2 nanoparticles using Ethylenediamine as capping agent J. RamKumar, S. Ananthakumar and S. Moorthy Babu Solar Energy, 106, 177–183 (2014)
		(viii)	Facile synthesis and transformation of Te nanorods to CdTe nanoparticles S. Ananthakumar, J. RamKumar and S. Moorthy Babu Material Science in Semiconductor Processing, 27, 12–18 (2014)
		(B)	Papers Presented in National & International Seminars
		(i)	“Synthesis of CuInSe2 nanoparticles using ethylenediamine as capping agent” J.Ramkumar and S.Moorthy Babu “International Conference on Nanomaterials & Nanotechnology (ICNANO)”, held at the Conference Centre, University of Delhi, Delhi, India during December, 18th-21st, 2011 (Poster Presentation)
		(ii)	“Effect of capping agent ratio and synthesis method on the structural and morphology of CuInSe2 nanoparticles” J.Ramkumar and S. Moorthy Babu “International Conference on Nano Science and Technology (ICONSAT-2012)” held at Hyderabad, India, during January 20th-23rd, 2012 (Poster Presentation)
		(iii)	“Effect of post annealing on the wet chemically synthesised CuInSe2 nanoparticles” J.Ramkumar and S.Moorthy Babu “INDO-GERMAN Workshop on Advanced Materials for Future Energy Requirements (WAMFER2012)” held at University of Delhi, Delhi during November 29-December 1, 2012 (Poster Presentation)
		(iv)	“Development of Materials for Low Cost Hybrid Solar Cells” , S.Moorthy Babu, J.Ramkumar and S.Ananthakumar “24 th Annual General Meeting (AGM) of the Materials Research Society of India (MRSI)” held at Indira Gandhi Centre for Atomic Research, Kalpakkam during February 11-13, 2013 (Poster Presentation)
		(v)	“Hydrothermal synthesis and characterization of CuInSe2 nanoparticles using ethylenediamine and thiol as capping agent” J.Ramkumar and S.Ananthakumar, S.Moorthy Babu “International Conference on Functional Materials (ICFM 2014)” held, at Materials Science Centre, Indian Institute of Technology-Kharagpur, Kharagpur during February 5th-7th 2014 (Oral Presentation)

		(vi)	<p>“Influence of capping agent and its ratio on the structural and morphology of CuInSe₂ nanoparticles by wet chemical method” J.Ramkumar and S.Ananthakumar, S.Moorthy Babu “International Conference on Advanced Functional Materials (ICAFM-2014)” held at CSIR-NIIST, Thiruvananthapuram during February 19th-21st, 2014 (Poster Presentation)</p>
		(vii)	<p>“Synthesis and Charactersation of CuInSe₂ nanoparticles for solar cell application” J.Ramkumar and S.Ananthakumar, S.Moorthy Babu “7th India-Singapore Symposium on Experimental Condensed Matter Physics” held at Indian Institute of Technology-Bombay, Mumbai during February 24th-26th 2014 (Poster Presentation)</p>
		(viii)	<p>“Synthesis and characterisation of organic ligand capped TiO₂ nanoparticles for hybrid solar cells”, S.Ananthakumar, J.Ramkumar and S.Moorthy Babu, “Indo-German Workshop on Advanced Materials for Future Energy Requirements-(WAMFER 2012)”, held at University of Delhi, Delhi, India during November 29th to Dec 1st(poster presentation)</p>
		(ix)	<p>“Synthesis and efficient phase transfer of CdSe nanoparticles for hybrid solar cellapplications”, S. Ananthakumar, J. RamKumar and S.Moorthy Babu “International Conference on Solar energy Photovoltaic held at School of Electronics Engineering”, KIIT University, Bhubaneswar, India during Dec 19th- 21st, 2012 (Oral presentation)</p>
		(x)	<p>“Charge Transfer in CdTe nanocrystal-P3HT blends”, S.Ananthakumar, J.Ramkumar and S. Moorthy Babu “24th National Seminar on Crystal Growth” held at Crystal Growth Centre, Anna University, Chennai, India during Dec 20-22, 2012 (Poster presentation)</p>
		(xi)	<p>“Structural and optical analysis of surface treated TiO₂ nanoparticles /P3HT blends”,S.Ananthakumar, J.Ramkumar and S.Moorthy Babu “DAE-BRNS National Laser Symposium-21” held at Baba Atomic Research Centre, Mumbai, India during 6th- 9th February 2013 (Poster presentation)</p>
		(xii)	<p>“Effect of thio alkyl acid capped CdTe nanoparticles sensitization with TiO₂ nanotubes”, S.Ananthakumar, J.Ramkumar and S.Moorthy Babu “National Conference on Advanced Materials(NCAM)- processing, materials and characterisation” held at PSN college of Engineering and Technology, Tirunelveli, India during January 23-25, 2013 (Oral presentation)</p>
		(xiii)	<p>“Cadmium Selenide (CdSe) Quantum dots Sensitized Photoanode for QDSSCs”, S.Ananthakumar, J.Ramkumar and S. Moorthy Babu, “International Conference on Emerging Technologies- Micro to Nano 2013” held at BITS- PILANI- K K BIRLA GOA Campus, Goa, India during February 20-24, 2013 (Poster presentation)</p>
		(xiv)	<p>“Enhanced Light Absorption in CdTe Nanoparticle/P3HT Nanofiber Blends” S.Ananthakumar, J.Ramkumar and S.Moorthy Babu “International Conference on Recent Trends in Advanced Materials” held at Govt. Engineering College of Bikaner, Rajasthan, India during Feb 01-02, 2013 (Poster presentation)</p>

		(xv)	“Synthesis, characterisation and femtosecond laser analysis of TGA capped CdTe nanoparticles” S. Ananthakumar, J. Jayabalan, J.Ramkumar , S.Moorthy Babu, Asha Singh, Salahuddin Khan, and Rama Chari. “24th Annual General meeting of Material Research Society of India-MRSI-2013” held at IGCAR, Kalpakkam, India during February 11-13, 2013 (Poster presentation)
		(xvi)	“Development of Materials for Low cost Hybrid solar cells” S. Moorthybabu,S.Ananthakumar and J.Ramkumar “24th Annual General meeting of Material Research Society of India-MRSI-2013” held at IGCAR, Kalpakkam, India during February 11-13, 2013. (Poster presentation)
		(xvii)	“Development of High Efficiency Hybrid Solar Cells” S. Ananthakumar, J.Ramkumar and S.Moorthy Babu “National Convention of National Renewable Energy Fellows” held at MNRE, CGO complex, New Delhi, India on March, 6th-8th,2013 (Oral presentation)
		(xviii)	“Fabrication and analysis of CdSe nanoparticles sensitized TiO2 nanotube solar cells” S.Ananthakumar, J. Ramkumar and S. Moorthy Babu “International Conference on Nanomaterials for frontier applications and Indo-Norwegian Workshop on Advanced materials for solar cells” held at Coimbatore Institute of Technology, Coimbatore India during July 10-12, 2013. (Oral presentation)
		(xix)	“Hydrothermal synthesis of CuInSe2 nanoparticles using ethylenediamine as capping agent” J. RamKumar , S. Ananthakumar and S. Moorthy Babu International conference on Nanomaterials for frontier applications and Indo-Norwegian Workshop on Advanced materials for solar cells” held at Coimbatore Institute of Technology, Coimbatore, India during July 10-12, 2013 (Poster presentation)
		(xx)	“Aqueous synthesized CdTe nanoparticles for Hybrid solar cells” S. Ananthakumar, J. RamKumar and S. Moorthy Babu “International Conference on Advanced materials, Processing and Devices” held at Madurai Kamaraj University, Madurai, India during July 15-16, 2013 (Poster presentation)
		(xxi)	“Optical properties of CdX(X=Se,Te)/P3HT blends for hybrid solar cells” S.Ananthakumar J.Ramkumar and S. Moorthy Babu “National Seminar on Spectroscopic techniques and its applications for material characterization” held at University of Kerala, India during October 3-4, 2013 (Oral presentation)
		(xxii)	“Structural and Optical Analysis on Cu2ZnSnS4 (CZTS) Nanosheets for Low Cost Solar Cells” S. Ananthakumar, J. RamKumar and S. Moorthy Babu “International Conference on Functional Materials (ICFM)-2014” held at IIT Kharagpur, India during February 5-7, 2014 (Oral Presentation)
		(xxiii)	“Synthesis and conversion mechanism of tellurium (Te) nanorods into Luminescent Cadmium telluride (CdTe) nanoparticles” S. Ananthakumar, J. RamKumar and S. Moorthy Babu “International Conference on Advanced Functional Materials (ICAFM- 2014)” held at Trivandrum, Kerala, India during February 19-21, 2014 (Poster presentation)

		(xxiv)	<p>“Synthesis and characterization of oleylamine capped CZTSe nanoparticles for alternative counter electrodes in DSSCs” S.Ananthakumar, J. RamKumar and S.Moorthy Babu “7th India-Singapore Symposium on Condensed Matter Physics” held at IIT Bombay, India on February 24-26, 2014 (Poster presentation)</p>
13.	Mr. Rahnuma Matloob Siddiqui, (Lucknow University, Lucknow)	(i)	Rahnuma M Siddiqui and U Bajpai, characterization of Solar Photovoltaic Modules on the Basis of Ambient Temperature, The Society of Earth Scientists' National Conference on Science of Climate Change and Earth's Sustainability : Issue and Challenges- A Scientists- People Partnership, Lucknow, India 2011.
		(ii)	Rahnuma M Siddiqui and U Bajpai, Deviation in the Performance of Solar Modules under Climate Parameter as Ambient Temperature and Humidity, Proceeding of the National Conference on "Renewable Energy and Energy Management" (NCREEM-2011), S R Group of Institutions, Jhansi,pp 142-145,2011.
		(iii)	Rahnuma M Siddiqui and U Bajpai, "Statistical Analysis of Solar Photovoltaic Module output with Temperature, Humidity and Wind Velocity in Composite Climate", International Journal of European Journal of scientific Research,vol.80(4),pp. 447-456,2012.
		(iv)	Rahnuma M Siddiqui and U Bajpai,"Deviation in the performance of solar module under climatic parameters as Ambient Temperature and Wind Velocity in Composite Climate", International Journal of Renewable Energy reaserch,vol2(3),pp. 486-490,2012.
		(v)	Rahnuma M Siddiqui and U Bajpai,"Correlation between thickness of dust collected on photovoltaic module and different in efficiencies in composite climate", International journal of Energy and environmental Engineering, Vol.3(1),pp,1-7,2012
		(vi)	Rahnuma M Siddiqui and U Bajpai,"Analytical study of performance of solar photovoltaic module under climate parameter as temperature and dust in composite climate", (Under review)
14.	Mr. Dr. Sanjay K. Gupta, (Bhavnagar University, Gujarat)	(i)	Venu Mankad, Sanjy K. Gupta, Prafulla K. Jha, Pressure-induced structural phase transition and elastic properties in rare earth CeBi and laBi, Journal of Physics: Conference Series 377(2012) 012076.
		(ii)	Venu Mankad, Sanjy K. Gupta, Prafulla K. Jha,Ab-initio investigation on structural electronic, lattice dynamical and thermal properties of MgN and GdN crystals, Results in Physics,Vol.2,2012,pp. 34-40
		(iii)	Igor Lukacevic,Venu Mankad, Sanjay K. Gupta,Prafulla K.Jha and D. Kirin, The role of pressure in elastic properties of cerium,Journal of Physics:Conference series 377(2012)012090.
		(iv)	Igor Lukacevic,Venu Mankad, Sanjay K. Gupta,Prafulla K.Jha and D. Kirin,Thermodynamical and phonon properties of rare-earth REBi(RE=Ce and la) bismuthidies,Computational Materials Science xxx(2012)xxx-xxx.

		(v)	Chetan K. Modi, Parthiv M. Trivedi, Sanjay K. Gupta , Prafulla K. Jha. Transition metal complexes enslaved in the supercages of zeolite-Y: DFT investigation and catalytic significance, J Incl Phenom Macrocycl Chem(2012?) 74:117-127.
		(vi)	Sanjay K. Gupta , Prafulla K. Jha, Dynamical Stability of the Lanthanum hydride under high pressure: A density functional lattice dynamics approach, International Journal of Hydrogen Energy.(under Review)(2012)
		(vii)	Sanjay K. Gupta , Prafulla K. Jha, Himadri R. Soni, Sanjay D. Gupta, Venu Mankad and Prafulla K. Jha, Superconductivity and vibrational properties of transition metal nitrides TMN(TM=Ti, V, and Cr): A first principles study, Mat. Chemistry and Physics.(Under review)(2012)
		(viii)	Igor Lukacevic, Sanjay K. Gupta , Prafulla K. Jha, and D. Kirin, Lattice dynamics and Raman spectrum of rutile TiO ₂ : The role of soft phonon modes in pressure induced phase transition, Mat. Chemistry and Physics.(Under review)(2012)
		(ix)	Sanjay K. Gupta , Igor Lukacevic, Prafulla K. Jha, Phonon Dispersion Curve, Electronic Structure and Photocatalytic Properties of X-doped(X=N, B and Pt) Rutile TiO ₂ From Density Functional Theory, Phys. Rev. B(Under Review)(2012)
		(x)	Chetan K. Modi, Parthiv M. Trivedi, Sanjay K. Gupta , Prafulla K. Jha, Host (nanopores of zeolite-Y)/guest (transition metal complexes) hybrid nanocatalysts : synthesis, DFT investigation and catalytic significance, Microporous and Mesoporous Materials.(Under review)(2012)
		(xi)	Presented Oral talk in Condensed Materials Advanced in Material Advances in Material Science and technology at Gujarat University, 4th Feb. 2012.
		(xii)	Presented Oral talk in 3rd National Conference on Condensed Matter and Materials Physics, S.P. University, Vidyanagar, Gujarat, March 3-5, 2012.
		(xiii)	Participated in INDIA R&D 2011, "Industry Academia Linkages" Convention Centre, India Habitat Centre, Lodhi Road, New Delhi, Nov. 2-3, 2011.
15.	Ms. R. Indumathi , (School of Energy Sciences, Madurai Kamaraj University, Madurai)	(i)	Biodiesel production from a mixture of Neem and Castor Oil, (Valmathi, P., Papitha, P., Indumathi, R and Samuel Paul Raj) in Renewable Energy Research , 2011.(ISBN-13:978-81908282-76)
		(ii)	Isolation and optimization of Lipase producing organisms from Oil amended soil (Prassana, J. Gautam, K., Indumathi, R and Samuel Paul Raj in Journal of Biosciences Research. 2012, Vol.3(3), ISSN 0976-2272.
		(iii)	Preparation and application of whole cell lipase biocatalyst for biodiesel production, (Indumathi. R. , Suresh. S and Samuel Paul Raj) has been published in the proceedings of "Biogalaxia 2010" held in Bharathir University, Coimbatore.
		(iv)	Bio Monitoring of Toxic Heavy metals using Lichens, (Indumathi. R. , and Samuel Paul Raj) has been published in the proceedings of National conference on Role of environmental change in the lower group Biodiversity with special reference to algal diversity 2010 held in Women's Christian College, Nagercoil.

		(v)	Studies of enhancement of lipase production using immobilized fungal cells for biodiesel production,(Indumathi. R and Sa,uel Paul Raj) has been published in the proceedings of " International workshop and conference on "Renewable energy and climate change-Exploring opprtunities for sustainable Development" April 2012 held in School of energy, Environment and Ntural Resources, Madurai Kamaraj University, Madurai.
		(vi)	Whole cell catalyzed biodiesel production,(Indumathi . R , and Samuel Paul Raj) has been published in the proceedings of "Tamil science 12th congress" 2012 held in Periyar University, Salem.
		(vii)	R. Indumathi , S. Murugesan and Samuel Paul Raj, 2013. Applications of immobilized fungal biocatalyst for lipase production. International Journal of Current Science. 9: 63-70. ISSN 2250-1770.
		(viii)	R. Indumathi , Samuel Paul Raj, 2013. Biodiesel production from microbial whole cell biocatalyst, Journal of Biodiversity and Environmental Sciences. 3(8): 94 – 101.ISSN: 2222-3045
		(ix)	Sabariswaran, K., Papitha, P., Indumathi, R. , Selvakumar, S. and Samuel Paul Raj, 2013.Bio - hydrogen Production from sago effluent, Journal of Biodiversity and Environmental Sciences. 3(2): 17-23. ISSN: 2222-3045
16.	P. Prabakaran, [Gandhigram Rural Institute- Deemed University(Department of Biology)]	(i)	Prabakaran, P and Ravindran, A.D.2011. A comparative study on effective cell disruption methods for lipid extraction from microalgae, Letters of Applied microbiology,53:150-154.
		(ii)	Prabakaran, P and Ravindran, A.D.2011. A study on effective lipid extraction methods from certain freshwater microalgae , Proceeding of International conference on Biodiversity and Aquatic Toxicology,193-196.
		(iii)	Pandina prabakarn and A.David Ravindran. Scenedesmus as a potential source of biodiesel among selected microalgae, Current Science,102(4),616-620
		(iv)	Prabakaran, P and Ravindran A.D. 2012 Study increase lipid content from Chlorococcum mciroalgae, Proceedings of Biologically active molecules, Excel Publishers,394-396.
		(v)	Prabakaran, P and Ravindran , A.D 2012 Biodiversity of fresh water algae from selected waterbodies in and around Dindigul District, Tamil Nadu, Proceedings of Biodiversity : Richness, Uses, Threats and conservation, Excel publishers,23-25.
		(vi)	Prabakaran, P and Ravindran, A.D. 2012. CO2 mitigation by microalgae and its conversiton into biodiesel , Jouranal of Biochemcial techonlogy (In Review)
		(vii)	Prabarakarn, P and Ravindran, A.D. 2012 Influence of different Carbon and Nitrogen souces on growth and CO2 fization of microalgae, Advances in Applied Science Research.,2012,3(3):1714-1717.
		(viii)	Participated in two weeks workshop in Short Term Training on Advanced research Technologies (Algae) (START) organized by NFMC, Bharathidasan University, Trichy Tamilnadu, India.(2010)

		(ix)	Presented a paper on "International conference on Bioengineering" organized by Department of Biology, School of Bioengineering, SRM University, Chennai, Tamilnadu.(2010)
		(x)	Presented a paper on "International conference on Biodiversity and Aquatic Toxicology" organized by department of Zoology and Aquaculture, Acharya Nagarjuna University, Nagarjuna Nagar, Andra Pradesh.(2010)
		(xi)	Presented a paper on "Thamilga Ariviyal Paravai" organized by gandhigram rural institute, ghandhigram and tamilnadu.
		(xii)	Participated in one week regional training programme on GIS applications for planning, implementation and monitoring of projects, organized by state institute of rural development, chennai, tamilnadu.(2010)
		(xiii)	Participated a paper on " International conference on Biologically active molecules" Organised by Department of chemistry, Ghandhigram Rural Institute, Ghandhigram and Tamilnadu.(2010)
		(xiv)	Presented a paper on " National conference on Biodiversity: Richness,uses,Threats and conservation" organized by Department of Biology, Ghandhigram Rural Institute, Ghandhigram and Tamilnadu.
		(xv)	Participated a regional workshop on "Reassessment of population studies of RED species of Sirumalai Hills, Eastern Ghats to improve Biodiversity conservation", organized by Department of Biology, Ghandhigram Rural Institute, Ghandhigram and Tamilnadu.(2011)
		(xvi)	Presented a paper on "Internation conference on Environment ,Genes, Health and Diseases", Organized by Department of Zoology, Bharathiar University, Coimbatore(2011)
		(xvii)	Presented a paper on "National conference renewable energy utilization indian perspective", organized by ghandhigram rural institute and CECRI(2011)
		(xviii)	Presented a paper on "National conference on Algae and Algal products,organised by Sathyabama University, Seaweed research and utilization association and Krishnamurthy institute of Algology(2011)
		(xix)	Presented a paper on "National seminar on Bio Knowledge for better environment" conducted by syed Hameedha arts and science college,Kilakaria.(2011)
		(xx)	Presented a paper on "International workshop on Climate change in agriculture: Adaptation and mitigation strategies" organized by the Faculty of Agriculture and Animal husbandry(2011)
17.	Ms. Reena Dubey , [Gandhigram Rural University, Gandhigram(research scholar)]	(i)	V. Kirubakan and Reena Dubey 2011. development of Human power pump published in Proceedings of International conference on recent trends in Renewable Energy Systems,17th & 18th March 2011 Organized by Hindustan University, Chennai.
		(ii)	Presented a paper on " Development of Human Powered Pump" International Conference on recent Trends in Renewable Energy systems,17th 7 18th March 2011 Organized by Hindustan University, Chennai.

		(iii)	Attended International Summer School on 'Efficient Fossil Energy Technologies' held at Indian Institute of Technology Guwahati, India during July 4-10,2011
		(iv)	Presented power point presentation on Globle Chelanges in Energy India and UK in summer school held at IIT Guwahati.(2011)
		(v)	Attended three days training in photovoltaic science technology held at Indian institute of technology Mumbai during Jan 14-16 2012.
		(vi)	Presented a paper on "National conference Renewable energy utilization-Indian perspective", Organized ny Ghandhigram Rural Institute and CECRI.(2012)

18.	Mr. S. Nagamuthu, [Gandhigram Rural University, Gandhigram(DEPARTMENT OF PHYSICS)]	(i)	Synthesis of Mn3O4/Amorphous carbon nanoparticles as electrode material for high performance supercapacitor applications--S.Nagamuthu,S.Vijayakumar, G.Muralidharan.Energy & Fuels(ACS),27,(2013)3508
		(ii)	Microwave assisted syntheiss of Co3O4 nanoparticles as electrode material for high performance supercapacitor applications--S.Viajayakumar,A.Kiruthika ponnalagi,S.Nagamuthu.G.Muralidharan,lectrochemica Acta,106,(2013)500
		(iii)	Porous NiO/C nanocomposites as electrode material for electrochemical supercapacitors --S.Vijayakumar, S.Nagamuthu, G.Muralidharan,ACS Sustainable chemistry & Engineering,DOI:10.1021/sc400152r.
		(iv)	Super capacitor studies on NiO nanoflakes synthesized through microwave route-- S.Vijayakumar, S.Nagamuthu, G.Muralidhran.ACS Applied materials & Interfaces. 5(2013)2188
		(v)	Effect fo annealing temperature on the supercapacitor behavior of β -V2O5--K.Jeyalakshmi, S.Vijayakumar, S.Nagamuthru, G.Muralidharan, Materials Research Bulletin 48(2013)760
		(vi)	Supercapacitor behavior of cobalt-doped nickel oxide films-- K.K.Purushotaman, V.Subapriya, S.Nagamuthu, S.Vijayakumar and G. Muralidharan.Philosophical Magazine Letters 92(2012)436
		(vii)	Synthesize of ZnO Nanopetals for Supercapacitor Applications--K.K.Purushotaman, V.Subapriya, S.Nagamuthu, S.Vijayakumar and G. Muralidharan. Micro and Nanoletters 6,668-670(2011)
		(viii)	Supercapacitor behavior of spray deposited SnO2 thin films, S.Vijaykumar, S. Nagamuthu, K. K.Purushothaman, M. Dhanashankar anf G. Muralidharan, International Journal of Nanoscience 10(2011)1245
		(ix)	Biopolymer assisted synthesis of γ -MnO2 nanoparticles as an electrode material for aqueous aymmetric supercapacitor device. S. Nagamuthu, S. Vijaykumar and G. Muralidharan, ACS Industrial Engineering & Chemical Research(Under review)
		(x)	Optical, Structural and Electrical Properties of Cobalt doped Tin Oxide Films on National conference and workshop on new materials and devices for photovoltaic applications. (ICWNMDP-2011) held on Feb. 10-12, 2011 at Madurai

			Kamaraj University, Madurai.
		(xi)	Electrical, Structural and Optical Properties of Molybdenum doped Tin Oxide Films prepared via spray pyrolysis method on National conference and workshop on new materials and devices for photovoltaic applications.(ICWNMDP-2011) held on Feb. 10-12,2011 at Madurai Kamaraj University, madurai.
		(xii)	Supercapacitor Behavior of Nano structured Fe ₂ O ₃ Films Prepared via Sol-gel Method. MACMILLAN Advanced Research Series; ISBN CORP-000187
		(xiii)	Preparation of fluorine doped tin oxide films using spray pyrolysis method for supercapacitor application. MACMILLAN Advanced Research Series; ISBN CORO-000187.
		(xiv)	Synthesis of ZnO nanoparticles and its photoluminescence properties. International conference on Nano Science and technology (ICONSAT-2012) Jan. 20-23, 2012, Hyderabad.
		(xv)	Workshop on Electronic and Ionic Materials and Devices WEIMD-2011) Under UGC Networking Programme) held on March,25-27,2011, Banaras Hindu University, Varanasi.
		(xvi)	National conference on Luminescence and its applications (NCLA-2010) held on Feb. 9-11,2010 at Gandhigram Rural Institute-Deemed University.
		(xvii)	IANCAS National workshop on Radiochemistry and applications of Radioisotopes held on Sept. 20-26 ,2010 at Ghandhigram ural Institute-Deemed University.

19.	Ms. R. Padmavathi, [Anna University, Chennai(Dept.of Mechanical Engg.)]	(i)	Rajangam Padmavathi , and Dharmalingam Sangeetha, Synthesis and characterization of electrospun carbon nanofiber supported Pt catalyst for fuel cells, Electrochimica Acta 112 (2013) 1–13, doi.org/10.1016/j.electacta.2013.08.078 (Impact Factor: 3.777).
		(ii)	Rajangam Padmavathi and Dharmalingam Sangeetha, Design of novel SPEEK based proton exchange membranes by self-assembly method for fuel cells, Ionics, Vol. 19, Pp. 1423–1436 (2013), doi:10.1007/s11581-013-0867-4 (Impact Factor: 1.674).
		(iii)	Rajangam Padmavathi , and Dharmalingam Sangeetha, Poster presentation entitled DzConversion of polymer nanofibers to carbon nanofibers for its use as catalyst support for proton exchange membrane fuel cellsdz, Recent Trends in polymeric Materials (RTPM-2011), organized by Society for polymer science and Central leather Research Institute, held on 12.10.2011, at Chennai, India.
		(iv)	Rajangam Padmavathi , and Dharmalingam Sangeetha, Poster presentation entitled DzSynthesis and characterization of polyacrylonitrile-based carbon nanofibers as support for Pt nanocatalyst in fuel cell applicationsdz, National Conference in Nanoscience and Nanotechnology, organized by National centre for Nanoscience and nanotechnology (NCNN-2011), University of Madras, held during Aug 25-27, 2011, at Maraimalai campus, Chennai-600 025.
		(v)	Rajangam Padmavathi , and Dharmalingam Sangeetha, Oral presentation entitled “Functionalization and its effect on carbon supports for enhancing fuel cell applications”, international conference on advanced materials (ICAM-2011), organized by Department of Physics, PSG College of

			Technology, held during Dec 12-16, 2011, at Coimbatore- 641 004, Tamil Nadu, India.
		(vi)	N. Saranya, R. Padmavathi , P. Gnanasundaram and D. Sangeetha, Oral Presentation in Seventeenth National Convention of Electrochemists (NCE-17) entitled "Functionalized graphene based electrocatalyst for Proton Exchange Membrane Fuel Cells" organized by SAEST, CECRI campus, Karaikudi and held in B.S. Abdur Rahman University, Chennai, on Sep 14-15, 2012.
		(vii)	A. Sandhya devi, R. Padmavathi , P. Gnanasundaram and D. Sangeetha, Oral Presentation in Seventeenth National Convention of Electrochemists (NCE-17) entitled "Effect of functionalized carbon nanotube for enhancing Fuel Cell Performance" organized by SAEST, CECRI campus, Karaikudi and held in B.S. Abdur Rahman University, Chennai, Tamil Nadu on Sep 14-15, 2012.
		(viii)	Rajangam Padmavathi , and Dharmalingam Sangeetha, Oral presentation entitled "Suitability of two different carbon supports for platinum catalyst in fuel cell applications", organized by 6 th Asian conference on Electrochemical power sources, held during January 5-8, 2012, at Green park Hotel, Chennai, Tamil Nadu, India.
		(ix)	Rajangam Padmavathi , and Dharmalingam Sangeetha, Poster presentation in International Conference on Recent trends in Advanced materials (ICRAM-2012) entitled "Synthesis and characterization of graphene based electrocatalyst for proton exchange membrane fuel cells", organized by VIT University, Vellore during 20-22, February 2012.
		(x)	Rajangam Padmavathi , and Dharmalingam Sangeetha, Poster presentation in Tenth International symposium on Advances in Electrochemical Science and Technology (iSAEST-10) entitled "Electrocatalytic activity of electrospun carbon nanofibers as support for Pt nanocatalyst in PEMFC applications", organized by CECRI, Karaikudi and held during Jan 28-30, 2013 at Hotel Green park, Chennai.
		(xi)	Rajangam Padmavathi and Dharmalingam Sangeetha, Oral Presentation entitled "Functionalized carbon supports for platinum catalyst in proton exchange membrane fuel cells", 1st National Conference on Energy and Environment- (EECON '14) CHEMFLUENCE '14, organized by Association of Chemical Engineering, Department of Chemical Engineering, A.C.Tech., Anna University, held on 3rd March, 2014.
		(xii)	Rajangam Padmavathi and Dharmalingam Sangeetha, Oral presentation entitled "Synthesis and performance of graphene based Pt catalyst for fuel cell applications", National Conference on Recent Advances in Nanomaterials for Sensor Applications (NANOSE-2014), organized by Alagappa University, Karaikudi, held from 6th to 7th March, 2014.
20.	Mr. S. Harikrishnan, [Anna University, Chennai]	(i)	Paper entitled "S. Harikrishnan and S. Kalaiselvam, Preparation and thermal characterization of CuO-oleic acid nanofluids as a phase change material, thermochimica Acta, Vol.533(2012) pp. 46-55 has been recently published.

		(ii)	Two Research papers have been recently accepted and published in two different international conference, one held in Norway(Roomvent-2011) and another in Iran(ICHVAC-3).S
		(iii)	Presented a poster entitled"Synthesis of CuInSe ₂ nanoparticles using ethylenediamine as capping agent" in the "International Conference on Nanomaterials & Nanotechnology(ICNANO)2011" held in the conference centre at university of delhi,delhi,india.during Dec. 18th-21th 2011.
		(iv)	Participated in the Workshop on "Frontiers of Excellence in Photovoltaic Science and Technology" at IIT Bomby on January 15-17,2012.
		(v)	Presented a poster entitled"Effect of capping agent ratio and synthesis method on the sturctural and morphology of CuInSe ₂ nanoparticles" in the "International Conference on Nano Science and Technology(ICONSAT-2012)" held in Hyderabad during january 20-23,2012.
21.	Mr. K. Suthagar , [Anna University, Chennai(Department of Chemistry)]	(i)	Suthagar K. , Selvam P. and Shanthi K.,"Synthesis and characterization of nano sized Cu-ZnO/SiO ₂ for Hydrogenolysis of Glycerol" to be communicated for the journal "Applied Catalysis B: Environmental" in the month of May-2013.
		(ii)	Suthagar K. , Alagarasi A. ,Selvam P., and Shanthi K., "Synthesis and Characterization of Nano sized Cu-ZnO/SiO ₂ ", National Seminar on Green Chemistry 2012, Department of Appiled Science & Technology and Department of chemical Engineering , Anna University, Chennai,Oct 4-5, 2012.
		(iii)	Suthagar K. ,Selvam P.,Shanthi K., " Selective Hydrogenolysis of Glycerol over Cu-ZnO-Al ₂ O ₃ Catalyst", 20th National workshop on "Catalysis for sustainable energy development" at NCCR,IIT-Madars, Chennai,Dec. 11- 13,2011.
22.	Mr. Mahesh Chand Sharma, [University of Rajasthan]	(i)	"Low cost CuInSe ₂ Thin Films Production by Stacked Elemental Layers Process for Large Area Fabrication of Solar cell Application", Mahesh Chand Sharma , Balram Tipathi, Sumit Kumar , Subodh Srivastava and Y. K. Vijay. Published International Journal of Material Chemistry and Physics 131(2012)600-604.
		(ii)	Optical characterization of CuInSe ₂ thin films prepared by vacuum thermal evaporation method. Mahesh Chand Sharma , Balram Tirpathi & Y.K Vijay. Published International Journal of American Institute of Physics (AIP) journal proceeding, 1381(2011),737-739.
		(iii)	Growth and Characterization of CIS Thin Film Prepared by Stacked Elemental Layers Technique. Mahesh Chand Sharma , Indu B. Vashistha and Y. K. Vijay. National Conference on " Current Trends on Material Research(CTMR-2012), organized by Department of physics, University of Rajasthan, Jaipur, March 17-19,2012.
		(iv)	"New trends to fabrication of the CuInSe ₂ /CdS heterojunction thin film for solar cell applications" Mahesh Chand Sharma , Ramphal Sharma and Y. K Vijay. International Conference on "Nanomaterials & Nanotechnology" (ICNANO 2011), Dec. 18-21,2011, University of delhi, Delhi, India.

		(v)	Cost-effective Fabrication Process of CuInSe ₂ (CIS) Thin Films and Improvement of Their Surface Morphology. Mahesh Chand Sharma and Y. K. Vijay. Natinal Confernce on " Emerging Trends of Research in Materilas Science"(ETRMS-2011); November 12-13,2011, jointly organized by SKIT, jagatpura and university of rajasthan, jaipur.
		(vi)	Effect of rapid thermal annealing on CuInSe ₂ thin film properties. Mahesh Chand Sharma , Garima Kedawat, Sarla Sharma, Balram Tirpathi and Y. K. Vijay. National Conference on "Micro and Nano Electronic System and Devices"(MINO-2011),jointly organized by VIT, jagatpura and university of Rajasthan,Jaipur, March 11-12,2011.
		(vii)	Preparation and Characterization of vacuum thermal evaporation trilayer ITO/CdS/CuInSe ₂ thin film. Mahesh Chand Sharma , G. Kedawat, B. Tripathi, M. Singh and Y.K. Vijay. International Conference on Renewable Energy(ICRE-2011) organized by Centre for Non Conventional Energy REsources, University of Rajasthan Jaipur, India, Jan.17-21,2011.
		(viii)	Preparation and characterization of Cr Doped ZnTe Thion Film for solar Cells. Dinesh c. sharma, M.C. Sharma , Subodh Srivastava, Y.K.Vijay and Y.K. Sharma. International Conference on Renewable Energy (ICRE-2011) organized by Centre for Non Conventional Energy REsources, University of Rajasthan Jaipur, India, Jan.17- 21,2011.
		(ix)	Deposition and Characterization of stacked CuInSe ₂ (CIS) thin films. Mahesh Chand Sharma , B. Tripathi, S. Kumar, S. Srivastava, Sarla Sharma and Y.K Vijay. 12th International Conference of International Academy of Physical Science(XII CONIAPS) on Emerging Interfaces of Physical Science, Organized by Department of Physics, University of Rajasthan Jaipur, India, Dec.22-24,2010.
		(x)	Study of nanostructural trilayer CuInSe ₂ thin films prepared by thermal evaporation methods. Mahesh Chand Sharma , Sumit Kumar, Subodh Srivastava, Ba;ram Tripathi, M. Singh and Y. k. Vijay. Indraprastha International Conclave on Nano Science and Technology(IICNST 2010) organized by Guru Govind Singh Indraprastha University, New Delhi Nov. 16-17,2010.
		(xi)	Study of Structural and Optical Properties of Mn ⁺² doped CdS thin film grown by vacuum thermal evaporation. Grima Kedawat, Balram tripathi, Subodh Srivastava, Mahesh Chand Sharma , Sarla Sharma, m. Singh, Y. K Vijay. 12th International Conference of International Academy of Physical Science (XIICONIAPS) on Emerging Interfaces of Physical Science, Organized by Department of Physics, University of Rajasthan,jaipur, Dec.22-24,2010.
		(xii)	Synthesis and characterization of TiO ₂ doped Polyaniline thin films for hydrogen gas sensing. Subodh Srivastava, S.S. Sharma, Sumit Kumar, Shweta Agrawal, M.C. Sharma , Y.K.Vijay. National conference on advances on materials and devices for renewable energy resources during 25-27 Feb 2010 at JEC jaipur.

23.	Ms. Mukesh Kumari Jangir, [University of Rajasthan]	(i)	Structural and Hydrogen storage properties of Mg-xwt% ZrCrMn composites. Ankur Jain,Shivani Agarwal, Pragya Jain, Mukesh Jangir ,P. Gislou, P.P Proisini,I.P.Jain,Accepted in WHEC-2012(World Hydrogen Energy Conference)held in Canada.(2012)
		(ii)	Hydrogenation/Dehydrogenation Properties of MgH ₂ Co-catalyzed with TiF ₃ . Mukesh Jangir ,Ankur Jain,Neetu Sharma,Rimpy Shukla,Y.K Vijay,I.P. Jain(Under Review)
24.	Ms. Monika Mishra, [National Physical Laboratory, New Delhi]	(i)	Graphene oxide-nanoferritefly ash composites for shielding of electromagnetic pollution. Journal of alloys and compounds, 557(2013) 244-251
		(ii)	Utilization of fly Ash- A Waste Byproduct of Coal for Shielding Application. J.Environ. Nanotechnol. Volume 2(2013) 74-82 pp.
		(iii)	Multiwalled carbon nanotube/cement composites with exceptional electromagnetic interference shielding properties. Carbon,(2013) 56, 86-96
		(iv)	Incapsulation of γ -Fe ₂ O ₃ decorated reduced graphene oxide in polyaniline core-shell tubes as an exceptional tracker for electromagnetic environmental pollution. J.Mater. Chem. A, 2013, DOI: 10.1039/C3TA14212D
		(v)	International Conference on Magnetic Materials and their applications for 21th century [MMA21], National Physical Laboratory, New Delhi-110012
		(vi)	Third National Conference on Innovations in Indian science, Engineering & Technology, (NCISET 2013) feb. 25-27, 2013 at CSIR-National Physical Laboratory New Delhi-110012
25.	Ms. Aarti Mehta,[National Physical Laboratory,New Delhi(Physics of Energy Harvesting Division)]	(i)	Aarti Mehta , Shailesh N. Sharma, V. N. Singh, A. K. Srivastvaand, S. Chand "Enhancement in charge Transfer Mechanism by Non-Ligand- Exchange Process for Colloidal Hybrid Organic(MEH-PPV): Inorganic(CdSe) Nanocomposites" accepted in SPIE Proceedings.Proc.SPIE 8549, 16th International Workshop on Physics of Semiconductor Devices, 854933 (Oct 15 2012) doi: 10.1117/12.927334.
		(ii)	Aarti Mehta , Sharma Kanchan, Sharma Shailesh N. and Chand S. ," Capping Ligand Effect on Charge Transfer Mechanism of hybrid Organic(P3HT): Inorganic(PbSe) nanocomposites" accepted in IEEE Xplore Digital Library, Nanotechnology (IEEE NANO-2012) Digital Object Identifier: 10.1109/NANO.2012.6322078
		(iii)	Aarti Mehta ,Shailesh N. Sharma, Kanchan Sharma, V N Singh, A K Srivastva and s. Chand ,"Synthesis and Properties of colloidal PbSe/CdSe Core Shell and CDxPb1-xSe Nanocrystalline Alloys" First International Tapsun Conference 2012: Advances in Futuristic Solar Energy Technologies, 4th- 5th Dec 2012(Poster Presentation) at N.P.L , India
		(iv)	Aarti Mehta ,Shailesh N. Sharma,A K Srivastva and s. Chand," Properties of Hybrid Organic-Inorganic Nanocomposites: Co-existence of charge and energy transfer" International Conference on nanoscience and Technology(ICONSAT 2012)

			by ARCI, at Hyderabad, 20th- 23rd Jan 2012(Poster Presentation and selected as a young researcher)
		(v)	Aarti Mehta ,Shailesh N. Sharma,Sharma Kanchan,A K Srivastva and s. Chand," Capping Ligand ffect on Charge Transfer Mechanism of Hybrid Organic(P3HT): Inorganic (PbSe) Nanocomposites" International Conference on Nanotechnology(IEEE NANO-2012) by Insitute of Physics(IOP), at ICC Birmingham U.K, 20th-23rd Aug 2012(Oral Presentation)
		(vi)	Aarti Mehta ,Shailesh N. Sharma, V. N. singh, A. K. Srivastvaand, S. Chand "Enhancement in Charge Transfer Mechanism by Non-Ligand-Exchange Process for Colloidal Hybrid Organic (MEH-PPV): Inorganic (CdSe) Nanocomposites" Internation workshop on Physics of Semiconductor Devices, IIT Kanpur, 19th-22nd Dec 2011 accepted for publication in SPIE Digital Library(2012) tracking no. IWP11-IWP100-153.
26.	Mr. Himanshu Raghubanshi, [Banaras Hindu University, Varanasi]	(i)	Rohit R. Shahi, Himanshu Raghubanshi ,M.A. Shaz, O.N. Srivastava "Studies on the de/re-hydrogenation characteristics of nanocrystalline MgH ₂ admixed with carbon nanofibres". Applied Naniscience(2012) DOI 10.1007/s13204-012-0083-y.
		(ii)	M. Sterlin Leo Hudson, Himanshu Raghubanshi , D. Pukazhsevan and O.N. Srivastava." Carbon nanostructures as catalyst for improving the hydrogen storage behavior of sodium aluminum hydride". International Journal of hydrogen Energy 37(2012) 2750-2755.
27.	Ms. Reena Kushwaha , [Banaras Hindu University, Varanasi(Department of Chemistry)]	(i)	Highly efficient dye-sensitized solar cell developed by using sheet like TiO ₂ prepared by a novel route. Ratna Chauhan, Reena Kushwaha and Lal Bahadur.Accepted for its publication in Materials Chemistry and Physics(2012)
		(ii)	Natural pigments from plants used as sensitizers for TiO ₂ based dye-sensitized solar cells. Reena Kushwaha , Pankaj Srivastava and Lal Bahadur.(2012)
28.	Mr. Hanif Choudhary, [IIT Guwahati, Guwahati (Assam)(Center for Energy)]	(i)	Priyanka Parkar, Hanif a. Choudhary , Vijayanand S. Moholkar. Mechanistic and Kinetic Investigations In Ultrasound Assisted Acid Catalyzed Biodiesel synthesis. Chemical Engineering Journal.2012:187;248-260
		(ii)	Hanif A. Choudhury and Vijayanand S. Moholkar. An Optimization Study of Fischer-Tropsch Synthesis Using Commercial Cobalt Catalyst.
		(iii)	Hanif A. Cjoudhury , Amit Choudhary, Manickam Sivakumar, Vijyanand s. Moholkar. Mechanistic Investigation of the Sonochemical Synthei=sis of zinc Ferrite.
		(iv)	Hanif A. Choudhury and Vijayanand S. Moholkar.Structure and Performance of Iron catalyst for Fischer-Tropsch Synthesis and its Utilization towards Model Biosyngas. Chemcon 2010:BPT-64
		(v)	Priyanka A. Parkar Hanif A. Choudhury and Vijayanand S. Moholkar. Sulfated Zirconia as an Acid Catalyst for Biodiesel Production. Chemcon 2011: Paper 554.
		(vi)	Hanif A. Choudhury and Vijayanand S. Moholkar.Environmentally Benign Fischer Tropsch Synthesis Using Industrial Cobalt Catalyst.ICER2011. ICER/305/11.

		(vii)	Hanif A. Choudhury and Vijayanand S. Moholkar.Synthetic Fuel Using Iron Catalyst: A Fischer-Tropsch Approach,2012
29.	Ms. Amrita Ranjan, [IIT Guwahati]	(i)	A. Ranjan , C. Patil and V.S. Moholkar,"Mechanistic Assessment of Microalgal Lipid Extraction", Industrial Engineering and chemistry Research,49(6),pp. 2979-2985(2010)
		(ii)	A. Ranjan and V.S. Moholkar(2011)," Comparative study of various pretreatment techniques for rice straw saccharification for the production of alcoholic biofuels".Fuel.doi:10.1016/j.fuel.2011.03.030.
		(iii)	A.Ranjan and V.S Moholkar(2012),"Biobutanol: Science, Engineering and Economics", International Journal of Energy Research 36:3:277-323.
		(iv)	A.Ranjan and V.S Moholkar" Rice straw: a potential feedback for Biofuel production in northeast". SeCONE, Guwahati(2012)
		(v)	A.Ranjan and V.S Moholkar and K. Suresh,"SECONE, Guwahati(2012)
		(vi)	A.Ranjan and V.S Moholkar and K. Suresh" Study of steam assisted rice straw hydrolysis at varied temp.", ENSURE,IIT Guwahati(2011).
		(vii)	A.Ranjan and V.S Moholkar and K. Suresh"Study of steam assisted rice straw hydrolysis at varied temp.",CHEMCON,Banglore(2011)
		(viii)	A.Ranjan and V.S Moholkar and K. Suresh,"Comparative study of rice straw hydrolysis with steam treatment and sonication", ICRE,surat Gujrat(2011).
		(ix)	A.Ranjan and V.S Moholkar,"Effect of temperature on solvent production by C.acetobutylicum MTCC481 in a rice straw based medium".ICRE,surat Gujrat(2011)
		(x)	A.Ranjan and V.S Moholkar,"Impact of variable Glucose Concentration on Growth Cycle of C. acetobutylicum", Proceesing of CHEMCON 2010, Chidambaram,(2010)
30.	Mr. K.Nagamahesh, [Jawaharlal Nehru Technological University Hyderabad]	(i)	M. Venkateswer Rao, Vivek Dhand, J.S. Prasad, K. Naga Mahesh , V. Himabindu, Anjaneyulu Yerramillia and B. Sreedhar," In-situ Lithium Intercalation of Carbon Nanorods using Flame synthesis", Composites Science and technology,Vol 70,2010,255-259.
31.	Mr. M.Venkateswar Rao , [Jawaharlal Nehru Technological University Hyderabad]	(i)	M. Venkateswer Rao, Vivek Dhand, J.S. Prasad, K. Naga Mahesh , V. Himabindu, Anjaneyulu Yerramillia and B. Sreedhar," In-situ Lithium Intercalation of Carbon Nanorods using Flame synthesis", Composites Science and technology,Vol 70,2010,255-259.
32.	Ms. K.Srilatha , [Institute of Science & Technology, JNTU, Hyderabad(CENTRE FOR ENVIRONMENT)]	(i)	V.Viditha, M.Venkateswer Rao, K.Srilatha , V.Himabindu, Anjaneyulu Yerramilli " A study on metal organic framework (mof-177) synthesis,Characterization and hydrogen adsorption-desorption cycles" International journal of energy and environment international energy & environment foundation, 2012.

	(ii)	T.Raghavendra , K.Srilatha , T.Vijay lakshmi, V.Himabindu, ViswaPrasad, P.Padma savitri, D.Datta and J.Arunachalam. Estimation of Polonium Concentration in ground water samples from the Peddagattu/Nambapur and Seripalli regions using Alpha Spetrometry.2012
	(iii)	T.Raghavendra, K.Srilatha ,T.Vijaylakshmi,V.Himabindu,D.Datta and J.Arunachalam.Assessment of natural radio nucleotides concentration in ground water around the proposed uranium mine at Peddagattu and Seripally regions, Nalgonda, India and its radiological significance.2012
	(iv)	T.Raghavendra , K.Srilatha , C. Mahender, M.Elander, T.Vijay lakshi, V.Himabindu, ViswaPrasad, P.Padma savitri, D.Datta and J.Arunachalam. Distribution of uranium concentration in ground water samples from the peddagattu/ nambapur and seripally regions using laser fluorimetry, radiation protection dosimetry(2013) 1-6. Citations: 0
	(v)	Production of Hydrogen through Methane Decomposition over Activated Carbon and Carbon Black Supported Ni Catalysts. 2013(Under Review)
	(vi)	Production of Hydrogen and Carbon Nanotubes using Ni-SBA-15 Catalyst.2013(Under Review)
	(vii)	K.Srilatha has participated in the "National workshop on Recent Advances in Science & Technology" held on 5 th March, 2014 in JNTUH, under TEQIP-ii sponsored.
	(viii)	Ms K.Srilatha of JNTUH, Hyderabad has participated in DAE-BRNS Theme Meeting on "Recent Advances in Materials Characterization by Surface Analytical Techniques" organized by National Centre for Compositional Characterization of Materials at NCCCM, BARC, Hyderabad on February 20-22, 2014.
	(ix)	Miss K.Srilatha , has participated in the One-Day Workshop "Emerging Trends in Chemical Sciences & Technology" held at CCST, IST, JNT University, and Hyderabad on 9 th January, 2014.
	(x)	Ms K.Srilatha (JRF) from JNTUH, Hyderabad participated in National Convention of National Renewable Energy Fellows held on 6 th -7 th March, 2013 in New Delhi Ms K.Srilatha (JRF) presented a paper in the convention.
	(xi)	K.Srilatha of CEN,IST,JNTUH has attended and presented the research work entitled "Synthesis and Characterization of Metal Organic Framework (MOF-5) for use in Hydrogen Storage" in International Conference on Advances in Biological Hydrogen Production & Applications (ICABHPA-2012) held at Institute of Science & Technology ,Jawaharlal Nehru Technological University, Hyderabad from December 14th-15th, 2012.
	(xii)	K.Srilatha of JNTU(, yderabad has participated in A Two Day UGC Sponsored National Seminar on DzRecent Trends in Nano biotechnology in the protection of (ealth & Environmentdz organised by Department of Botany held on November 30 th & December 1 th 2012 at Andhra Loyola College, (Autonomous) Vijayawada-8.
	(xiii)	K.Srilatha has participated in Refresher course on "Nano biotechnologies" organized by Department of Biotechnology, Sreenidhi Institute of Science & Technology,

			Ghatkesar, Hyderabad during June 18-20, 2012.
		(xiv)	Ms K.Srilatha of JNTUH has participated in the Board of Research in Nuclear Sciences (BRNS) Second School on Analytical Chemistry (SAC-2011) organized by Association of Environmental Analytical Chemistry of India, C/o Analytical Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, India during 21 th -27 th August, 2011 at National Centre for Compositional Characterization of Materials (NCCCM) Hyderabad, India. She has successfully passed the examination held on 27.08.2011.
		(xv)	K.Srilatha has participated as a Trainee in the 6 th Day National Workshop on “Experimental Design, Modelling & Statistical Analysis of Environmental Projects” organized by Centre for Environmental Nuclear Research, Directorate of Research & Virtual Education, SRM University during 11 th -16 th July,2011.
		(xvi)	K.Srilatha has participated in One Day Workshop on “Environmental Management” held on 7 th , June 2011 at SIT Auditorium, IST, JNTUH Campus, and Hyderabad.
		(xvii)	K.Srilatha has participated in the National Conference on “Ro(s Regulations & Chemical Analysis for Compliance (RRCA) during March 8 th -9 th , 2011 at Hyderabad organized by Centre for Materials for Electronics Technology (C MET), Hyderabad.
		(xviii)	K.Srilatha has participated in the A.P Science Congress & Annual Convention of APAS 18 th -20 th , November-2010.

33.	Mr. G.Chandra Sekhar , [Institute of Science & Technology, JNTU, Hyderabad]	(i)	Chandra Sekhar Gajula , Anuj Kumar Chandel, Radhika Konakalla, Ravinder Rudravaram, Pogaku Ravindra, Lakshmi Narasu Mangamoori (2011). Fermentation of groundnut shell enzymatic hydrolysate for fuel ethanol production by free and sorghum stalks immobilized cells of <i>Pichia stipitis</i> NCIM 3498. International Journal of Chemical Reactor Engineering, 9: 1-17.
		(ii)	Chandra sekhar Gajula , Radhika Konakalla, Chandel Anuj Kumar, Ravinder Rudravaram, Lakshmi Narasu Mangamoori (2011). Fermentation of enzymatically saccharified Groundnut shell for fuel ethanol production by <i>Pichia stipitis</i> NCIM 3498. Current Trends in Biotechnology and Pharmacy, 4 (5): 982-992.
		(iii)	Anuj K. Chandel, Om V. Singh, L. Venkateswar Rao, G. Chandrasekhar, M. Lakshmi Narasu (2011). Bioconversion of novel substrate Saccharum spontaneum, a weedy material, into ethanol by <i>Pichia stipitis</i> NCIM3498. Bioresource Technology,102(2):1709-1714
		(iv)	Anuj Kumar Chandel, Gajula Chandrasekhar , Konakalla Radhika, Rudravaram Ravinder, and Pogaku Ravindra (2011). Bioconversion of pentose sugars into ethanol: A review and future directions, Biotechnology and Molecular Biology Review, 6(1): 008-020.
		(v)	Anuj K. Chandel, G. Chandrasekhar , Messias Borges Silva ¹ , Silvio Silvério da Silva (2011). The realm of cellulases in biorefinery development, <i>Critical Reviews in Biotechnology</i> , 1-16.
		(vi)	Radhika Konakalla, Chandra Sekhar Gajula , Uma Addepally, Lakshmi Narasu Mangamoori (2013), Fermentation of enzymatically saccharified <i>Brassica campestris</i> stalks for fuel ethanol production by <i>Pichia stipitis</i> NCIM 3498. Global

			trends in Pharmaceutical Science. 4(3):1206-1215
		(vii)	Chandel AK, Chandrasekhar G , Rohde V, Sridevi G, Rao LV. Cellulases of Thermophilic Microbes. In: eds. Satyanarayana T, Littlechild J and Yutaka K. Thermophiles in Environmental and Industrial Biotechnology. Springer Verlag Press. 2nd ed. 2013, 954 p
		(viii)	Indo-Canada workshop “ Exploitation of agro-industrial biomass for integrated biofuels and novel products through sustainable production systems ” held at)CT, (yderabad from ‘27 th -28 th , January 2011.
		(ix)	Workshop on “ Enzyme Engineering and process optimization principle ” held at Centre for Biotechnology, IST, JNTUH during 16 th & 17 th , March, 2012.
34.	Ms. K.Radhika , of Science & Technology, JNTU, Hyderabad]	(i)	Radhika Konakalla , Chandra Sekhar Gajula, Uma Addepally, Lakshmi Narasu Mangamoori (2013), Fermentation of enzymatically saccharified <i>Brassica compestris</i> stalks for fuel ethanol production by <i>Pichia stipitis</i> NCIM 3498. Global trends in Pharmaceutical Science. 4(3):1206-1215
		(ii)	G. Baby Rani , T. Chiranjeevi, Anuj K. Chandel, T. Satish, K. Radhika , M. Lakshmi Narasu, A. Uma (2012), Optimization of selective production media for enhanced production of xylanases in submerged fermentation by <i>Thielaviopsis basicola</i> MTCC 1467 using L16 orthogonal array , J Food Sci Technol.
		(iii)	Anuj Kumar Chandel, Gajula Chandrasekhar, Konakalla Radhika , Rudravaram Ravinder, and Pogaku Ravindra (2011). Bioconversion of pentose sugars into ethanol: A review and future directions, Biotechnology and Molecular Biology Review, 6(1): 008-020.
		(iv)	Radhika Konakalla , Uma Addepally, Umakanth A.V ,Chiranjeevi Thulluri, Baby Rani Goluguri,Lakshmi Narasu Mangamoori,, Rajeswari Nuttaki, Srinivasa Rao Pinnamaneni,Prakasham R.S, Characterization, Optimization of dilute acid pretreatment and enzymatic saccharification of low lignin brown midrib (<i>bmr</i>) of Sorghum (CSV 15 x IS 21891)-1-1-1-1 for second generation biofuel production. (Under Communication) .
		(v)	Radhika Konakalla , Uma Addepally, Chiranjeevi Thulluri, Baby Rani Goluguri,Lakshmi Narasu Mangamoori, Optimization of media components for cellulase production by isolated <i>Aspergillus sp.</i> (Under Communication) .
		(vi)	Indo-Canada workshop “ Exploitation of agro-industrial biomass for integrated biofuels and novel products through sustainable production systems ” held at)CT, (yderabad from 27 th -28 th , January 2011.
		(vii)	Workshop on “ Enzyme Engineering and process optimization principle ” held at Centre for Biotechnology, IST, JNTUH during 16 th & 17 th March, 2012.
35.	Ms. Prerna Pandey, [School of Energy & Environmental Studies, Devi Ahilya,Indore]	(i)	Production of both esters and biogas from mexican poppy; African Journal of Enviornmental science and Technology vol.4(12),pp. 866-871,December 2010
		(ii)	Anaerodic Digestion of Algal Biomass; 1st Inadin International Energy Summit(IIES) and expo at Nagpur(Maharashtra) from 28th to 31st of Jan 2011.

36.	Mr. Chandan Singh , [Devi Ahilya Vishwavidyalaya, Indore]	(i)	Rajendra Singh Thakur, Rubina Chaudhary and Chandan Singh; Fundamentals and application of the photocatalytic treatment for the remove of industrial organic pollutants and effects of operational parameters: A review; Journal of Renewable and Sustainable Energy, 2.042701(2010)
		(ii)	Chandan Singh , Rubina Chaudhary, Rajendra Singh Thakur; Performance of advanced photocatalytic detoxification of municipal wastewater under solar radiation- A mini review; International Journal of Energy and Environment (IJEE),2(2)(2011)pp.337-350
		(iii)	Chandan Singh , Rubina Chaudhary; Visible light induced photocatalytic reduction of metals(Cr, Cu, Ni, and Zn) and its synergism with different pH,TiO2 and H2O2 doses in simulatedwastewater, J. Renewable Sustainable Energy,5(5),053102(2013)pp.1-13
		(iv)	Chandan Singh , Rubina Chaudhary; Removal of metal ions by means of using solar oxidation processes(AOP) based on pH, TiO2 and Oxidant, Desalination and Water Treatment,5(2013),pp.1-9
		(v)	Chandan Singh , Rubina Chaudhary and Kavita Gandhi; Solar Photocatalytic oxidation and disinfection of municipal wastewater using advances oxidation processes(AOP) based on pH, catayst dose and oxidant; Journal of Renewable and sustainable Energy,5(2),023124(2013)pp.1-11
		(vi)	Chandan Singh , Rubina Chaudhary and Kavita Gandhi; Preliminary study on optimization of pH, Oxidant and catalyst dose for high COD content: solar Parabolic trough collector; Iranian Journal of Environmental Health Sciences & Engineering, 10(13)(2013)pp. 1-10
		(vii)	Chandan Singh, Rubina Chaudhary; Statistical evaluation of photocatalytic and oxidant process for the treatment of municipal wastewater, International Journal of Environmental Science and Pollution Research(Under Review)(2013)
37.	Mr. Dr. A. Mahesh, [IIT, Delhi]	(i)	A. Mahesh and S. C. Kaushik(2012) , Solar adsorption cooling system: An Overview, Journal of renewable and sustainable energy, journal of renewable and sustainable energy4,022701.
		(ii)	A. Mahesh and S. C. Kaushik(2012) , Solar adsorption refrigeration system using different mass of adsorbents, J Therm Anal Calorim. Vol.111(1):897-903
		(iii)	A. Mahesh and C.E. Sooriamoorthiand A.K.Kumaraguru.(2012). Performance Study of Solar Vacuum Tubes Type Dryer, Journalof Renewable Sustainable Energy4,063121.
		(iv)	Performance Study of unglazed cylindrical solar collector for adsorption refrigeration system.(Under review)(2012)
		(v)	Energy and Enviroeconomic Analysis of solar Adsorption Refrigeration System under Indian Condition(Under review)(2012)
		(vi)	S.C. Kaushik and A. Mahesh(2013). Solar adsorption cooling system: Some materials and collector aspects, American solar energy societies, Maryland, US

38.	Ms. C. Nithya, [Central Electrochemical Research Institute, Karaikudi - 630006]	(i)	Synthesis and Electrochemical Characterization of $\text{LiMg}_x\text{Ni}_y\text{Mn}_{1-x-y}\text{O}_2$ Cathode materials for Lithium Rechargeable Batteries-C.Nithya, R. Lakshmi, S. Gopukumar, J. Electrochem. Soc. (2012)
		(ii)	Role of Mg dopant on the electrochemical performance of Mg doped $\text{LiNi}_{0.5}\text{Co}_{0.5}\text{O}_2$ Cathode Materials for Lithium Rechargeable Batteries- C. Nithya, s. Bharathidevi, S. Gopukumar, j. Mater. Sci. (2012)
49.	Ms. Sweta Yadav, [University of Delhi South Campus, New Delhi(Department of Microbiology)]	(i)	Anand, P. , Yadav S. , Jahan, F. and Saxena R. K.(2010). A greener solution for darker side of biodiesel: utilization of glycerol in 1, 3-propanediol production. Journal of Biofuels. Vol.1(10,83-91.
		(ii)	Anand, P. , Yadav S. ,Kumar, V., dutt, K. and Saxena R. K.(2010). A path to economic viability for the biodiesel industry: Production of 1,3-propanediol from crude glycerol. Journal of viotechnology, Vol. 150,370.
		(iii)	Kumar, V., Yadav S , Jahan, F. Saxena, R. K.(2012) Scale up of organic synthesis Maize starch based polymer using enzymatic route and its characterization. FEMS Microbiology Letters.(Under review)
		(iv)	Tripathi, P. , Rawat, G., Yadav S. , and Saxena, R.K.(2012) fermentative production of shikimic acid: a paradigm shift of production concept from plant route to microbial route. Bioprocess and Biosystems engineering.(Under Review)
		(v)	Yadav s. , Rawat, G. and saxena, R. K(2012). An integrated approach for the recovery of Biobutanol: Gas stripping versus pervaporation. Applied Biochemistry and Biotechnology.
		(vi)	Yadav S , Rawat, G. and Saxena , R.K(2012). Industrial aspect of biobutanol production and its metabolic analysis during glycerol-glucose fermentation. Biotechnology Letters.
		(vii)	Yadav S , Rawat, G. and Saxena , R.K(2012). A novel approach for Biobutanol Production by Clostridium acetobutylicum using Glycerol: A Low Cost Substrate Renewable Energy.
		(viii)	Presentation on Butanol: A Buring issue for the second generation biofuels in the 9th BRSI Convention and international conference on industrial biotechnology, November, 21-23,2012, Panjabi University, Patiala.
		(ix)	Presentation on Butanol: A Buring issue for the second generation biofuels in the international Symposium on " New Horizons in Bioenergy Research (NHBR-2013)" (January 14-16,2013).IIT Kharagpur)
		(x)	Poster presented on "Biobutanol production by clostridium acetobutylicum from glycerol a low cost substrate" in the international conference on " New Horizons in Biotechnology", held at national Institute for Interdisciplinary Science and Technology, CSIR, Trivandrum(Nov 21-24,2011), India.
40.	Mr. Vinod Kumar, [DU, Delhi(Department of Microbiology)]	(i)	Vinod Kumar, Babu Joseph, Pramod W. Ramteke, Abin Mani, and Firdaus Jahan,Cold active lipase catalyzed production of biodiesel from Jatropha oil in a solvent free system,Journal of Chemical and Pharmaceutical Research.(2011),vol and pp. 3(2).

		(ii)	Firdaus Jahan, Rubina Lawrence, Vinod Kumar and Mohd. Junaid, Evaluation of antimicrobial activity of plant extracts on antibiotic susceptible and resistant Staphylococcus aureus strains., Journal of Chemical and Pharmaceutical Research.(2011) Vol and pp. 3(4): 777-789
		(iii)	Vinod Kumar , Firdaus Jahan, Shailendra Raghuwanshi, Richi V. Mahajan and Rajendra Kumar Saxena., Immobilization of Rhizopus oryzae lipase on magnetic Fe ₃ O ₄ -chitosan beads and its potential in phenolic acids ester synthesis., Biotechnology and Bioprocess Engineering(2012) Vol and pp. 18: 787-795
		(iv)	Farah Deeba, Vinod Kumar , Kshipra Gautam, R.K. Saxena and D.K. Sharma, Bioprocessing of Jatropha curcas seed oil and deoiled seed hulls for the production of biodiesel and biogas, Biomass and Bioenergy(2012), Vol and pp. 40: 13-18.
		(v)	Firdaus jahan, Vinod kumar , Garima rawat, and R.K. saxena, Production of microbial cellulose by a bacterium isolated from fruit., Applied Biochemistry and Biotechnology(2012) vol and pp. 167, 1157-1171
		(vi)	Richi V. Mahajan, Saurabh Saran, Karthikeya Kameswaran, Vinod Kumar , R.K. Saxena, Efficient production of L-asparaginase from Bacillus licheniformis with low-glutaminase activity: Optimization, scale up and acrylamide degradation studies, Bioresource Technology(2012) Vol and pp.12511-16.
		(vii)	Anu Arya, Divya Mathur, Abhilash Tyagi, Rajesh Kumar, Vinod Kumar , Carl E. Olsen, Rajendra K. Saxena and Ashok K. Prasad, Chemoenzymatic synthesis of 3'-deoxy-3'-(4-substituted-triazole-1-yl)-5-methyluridine., Nucleosides, Nucleotides and Nucleic Acids(2013) Vol and pp. 32(12):646-659
		(viii)	Vinod Kumar, Sweta Yadav, Firdaus Jahan, and Rajendra Kumar Saxena, Organic synthesis of maize starch based polymer using Rhizopus oryzae lipase, scale up and its characterization, Preparative Biochemistry and Biotechnology,(2014) ,Vol and pp. 44(4): 321-331
		(ix)	Vinod Kumar, Firdaus Jahan, Karthikeya Kameswaran, Richi V. Mahajan and Rajendra Kumar Saxena, Eco-friendly methodology for efficient synthesis and scale up of 2-ethylhexyl-p-methoxycinnamate using Rhizopus oryzae lipase and its biological evaluation, Journal of Industrial Microbiology and Biotechnology,(2014) (Accepted)
		(x)	Vinod Kumar, Firdaus Jahan and R. K. Saxena, An efficient scalable methodology for the synthesis of quercetin ferulate using Rhizopus oryzae lipase and its potential as an antioxidant, Applied Catalysis A: General(2014)(Under Review)
		(xi)	Firdaus Jahan, Vinod Kumar and R. K. Saxena, Distillery effluent as a potential medium for bacterial cellulose production: a biopolymer of immense commercial importance. Bioresource Technology(2014)(Under Review)
		(xii)	Richi V Mahajan, Vinod Kumar , Vinoth Rajendranb, Saurabh Saranc, Prahlad C., Ghoshb and Rajendra Kumar Saxena, Purification and Characterization of a novel and robust L-asparaginase having low-glutaminase activity from Bacillus licheniformis: in-vitro evaluation of anticancerous properties, Plos one(2014)(Under Review)

	(xiii)	South Korea: Attended and presented poster in the international conference titled "Potential application of lipase – mediated acylation of 7,8 –dihydroxy 4-methyl coumarin in the synthesis of novel mono-esters. 15th International Biotechnology Symposium and Exhibition September 16-21, 2012 / EXCO, Daegu, Korea.
	(xiv)	Vinod kumar and Rajendra Kumar Saxena. Immobilization of lipase on Fe3O4-chitosan beads and its potential in ethyl ferulate synthesis. Asian Congress on Biotechnology – ACB 2013. December 15-19, 2013 / New Delhi.
	(xv)	Vinod kumar and Rajendra Kumar Saxena Regioselective acylation of quercetin with ferulic acid catalyzed by <i>Rhizopus oryzae</i> lipase and its potential in antiradical activity. International Conference on "Advances in Biotechnology and Bioinformatics" ICABB 2013 & X Convention of the Biotech Research Society, India November 25-27, 2013 / Pune.
	(xvi)	Vinod Kumar and Rajendra Kumar Saxena. Potential application of lipase – mediated acylation of 7,8 –dihydroxy 4-methyl coumarin in the synthesis of novel mono-esters. 15th International Biotechnology Symposium and Exhibition September 16-21, 2012 / EXCO, Daegu, Korea.
	(xvii)	Vinod Kumar and Rajendra Kumar Saxena. Lipase from <i>Rhizopus oryzae</i> as a biocatalyst in starch modification and synthesis of infant formula fat analogous. 3rd International Conference and Exhibition on Analytical & Bio analytical Techniques. Omics Group Conference, November 22-24, 2012 at Hyderabad, India.
	(xviii)	Vinod Kumar, Firdaus Jahan, Shailendra Raghuwanshi, Sweta Yadav and R. K. Saxena. Parametric optimization of lipase from <i>Rhizopus oryzae</i> by solid state fermentation and its potential application in leather and pharmaceutical industries. International conferences on New Horizons in Biotechnology and 8th Annual Convention of the Biotech Research Society, India. November 21-24, 2011.
	(xix)	4th Inodo-Italian seminar on Green Chemistry and natural products. Department of Chemistry University of Delhi on 17th November 2010 Delhi – 110007.
	(xx)	Vinod Kumar, Pritesh Gupta, Priyanka Tripathi, Shailendra Raghuwanshi, Kakoli Dutt and R.K. Saxena. Lipase mediated conversion of non – conventional oil for biodiesel production. 1st International Conference on New Frontiers in Biofuels to be held in January 2010.
	(xxi)	National workshop on Biotechnology. "Association of Biotechnology Led Enterprises (ABLE)". at Bangalore on Oct. 9 – 13, 2013.
	(xxii)	National workshop on Fermentation and zero effluent discharge at Jamia Hamdard University, Hamdard Nagar, and New Delhi, India.(2013)
	(xxiii)	Vinod Kumar. National Convention of National Renewable Energy Fellows held on 6 th – 7 th 2013 at Ministry of New and Renewable Energy (MNRE), New Delhi.
	(xxiv)	Vinod Kumar and Rajendra Kumar Saxena. National sciences day symposium at University of Delhi South Campus, New Delhi on Feb. 27-28, 2013.

41.	Mr. Harshal Kumar, [Agra University]	(i)	Indian Journal of Life sciences:- Reasearch Paper Entitled "Viability Assessment through TZ test of Jatropha curcas seeds, collected from different agro – climatic zones of INDIA"(2012)
		(ii)	Indian journal of Scientific Research(IJSR): 1 PAPER " JATROPHA CURCAS BIODIVERSITY"(2012)
		(iii)	PUBLISHED BOOK :- Biodiversity and Sustainable Agriculture Shree Publishers, 2011, xv, 272 p, ISBN : 8183293990, CHAPTER :- Surveillance of germplasm diversity of Jatropha curcas Linn in relation to seed germination and production.
		(iv)	BIOSCIENCES & BIOENGINEERING: A COLLABORATIVE APPROACH, Research topic entitled- "Studies on interrelation between germination and bulk electrical conductivity of jatropha curcas seeds (soaked in deionised water) collected from different agro-climatic zones of India"

42.	Ms. Garima Agarwal, [Bhavnagar University, Gujarat]	(i)	Solar Energy Materials and Solar Cells 116 (2013) 283–290.
-----	--	-----	--

43.	Mr. Ranjith G. Nair, [Tezpur University, Tezpur]	(i)	Ranjith G. Nair , Sanjoy Kumar Samdarshi, Bruno Boury, The surface mineralization of cellulose by metal chloride. An original pathway for the synthesis of hierarchical superstructures of TiO ₂ -like urchins and carpets of needles, European Journal of Inorganic Chemistry, Wiley (2013) Accepted, ISSN: 1099-0682, (Impact Factor: 3.12).
		(ii)	Barnali Das, Ranjith G Nair , R. Bijumani, S. K. Samdarshi, Investigation of the photoactivity of pristine and mixed phase N-doped Titania under visible and solar irradiation, Material Characterization, Elsevier, 83 (2013) 145-151 ISSN: 1044-5803 (Impact Factor: 1.88).
		(iii)	Bruno Boury, Ranjith. G. Nair , Sanjoy K Samdarshi, Tahereh Makiabadi and P. Hubert Mutin, Non-hydrolytic synthesis of hierarchical TiO ₂ nanostructures using natural cellulosic materials as both oxygen donors and templates, New Journal of Chemistry, RSC, 36 (2012) 2196-2200, ISSN: 1144-0546 (Impact Factor: 2.966).
		(iv)	Ranjith. G. Nair , Jetendra Kumar Roy, S. K. Samdarshi, A. K. Mukherjee, Mixed phase V doped titania shows high photoactivity for disinfection of Escherichia coli and detoxification of phenol, Solar Energy Materials and Solar cells, Elsevier, 105 (2012) 103-108 ISSN: 0927-0248 (Impact Factor: 5.205).
		(v)	Ranjith. G. Nair , A. M. Tripathi, S. K. Samdarshi, Impact of Ti-V ratio on the crystalline phase/visible light activity of TiV-oxide photocatalyst, Environmental Progress and Sustainable Energy, Wiley, 31(1) (2012) 107-113 ISSN: 1944-7450 (Impact Factor: 0.865).
		(vi)	Samrat Paul, Bijumani Rajbongshi, Birinchi Bora, Ranjith G Nair and S K Samdarshi, Organic photovoltaic cells using green-MWCNTs, New Carbon Materials, Elsevier, (2012), Accepted, ISSN: 1872-5805 (Impact Factor: NA).
		(iv)	Ranjith. G. Nair , A. M. Tripathi and S. K. Samdarshi, Photocatalytic activity of predominantly rutile mixed phase Ag/TiV oxide nanoparticles under visible light irradiation, Energy, Elsevier, 36 (2011) 3342-3347, ISSN: 0360- 5442

		(Impact Factor: 4.107).
(vii)	Ranjith. G. Nair , Jetendra Kumar Roy, S. K. Samdarshi, A. K. Mukherjee, Enhanced visible light photocatalytic disinfection of gram negative, pathogenic Escherichia coli bacteria with Ag/TiV oxide nanoparticles, Colloids and surfaces B: Biointerfaces, Elsevier, 86 (2011) 7-13, ISSN: 0927-7765 (Impact Factor: 3.417).	
(viii)	Ranjith. G. Nair , Samrat Paul, S. K. Samdarshi, High UV/Visible light activity of mixed phase titania: A generic mechanism, Solar Energy Materials and Solar cells, Elsevier, 95 (2011) 1901-1907, ISSN: 0927-0248 (Impact Factor: 5.205)	
(ix)	R. Sathyamoorthy, P. Sudhagar, R. Saravanakumar, P. Matheswaran and Ranjith. G. Nair , Facile synthesis of thiol stabilized CdSexTe1-x Nanocrystals, Physica B: Condensed Matter, Elsevier, 406 (4) (2011) 715-719, ISSN: 0921- 4526 (Impact Factor: 1.135).	
(x)	A. M. Tripathi, Ranjith. G. Nair , S. K. Samdarshi, Visible active Silver sensitized Vanadium Titanium mixed metal oxide photocatalyst nanoparticles through sol gel technique, Solar Energy Materials and Solar cells, Elsevier, 94(12) (2010) 2379-2385 ISSN: 0927-0248 (Impact Factor: 5.205)	
(xi)	M. Nirmala, Manjula G. Nair , K. Rekha, A. Anukaliani, S.K. Samdarshi and Ranjith G. Nair , Photocatalytic Activity of ZnO Nanopowders Synthesized by DC Thermal Plasma, African Journal of Basic & Applied Sciences, IDOSI, 2 (5-6) (2010) 161-166, ISSN: 2079-2034, (Impact Factor: NA).	
(xii)	Swapna Ojah, Ranith G. Nair , S. K. Samdarshi, Recent Developments in Dye-Sensitized Solar Cells, Akshay Urja, Ministry of New and Renewable Energy 7(1) (2013) 10-13, (Impact Factor: NA).	
(xiii)	Swapna Ojah, Ranjith. G. Nair and S. K. Samdarshi, Synthesis of copper sensitized nanoparticle for solar cell application, 2011, International Congress on Renewable Energy(ICORE) held at Tezpur University	
(xiv)	Ranjith. G. Nair and S. K. Samdarshi, Visible light induced Photocatalytic disinfection of E.coli using Vanadium doped Titanium dioxide, 2010, International Congress on Renewable Energy(ICORE) held at Chandigarh	
(xv)	Swapna Ojah, Ranjith G. Nair and S. K. Samdarshi, A review on recent development in Dye Sensitized Solar Cells, 2010, International Congress on Renewable Energy(ICORE) held at Chandigarh	
(xvi)	Paranjyoti Bharadwaj, R. G. Nair and S. K. Samdarshi, Designing Geometry of a Compound Parabolic Solar Reactor with Cylindrical Absorber used for Photocatalytic Detoxification, 2010, International Congress on Renewable Energy(ICORE) held at Chandigarh	
(xvii)	One week short term training program on advances in laser and spectroscopy National Institute of Technology, Silchar 26th to 30th December, 2013	
(xviii)	Nanotechnology and Sensors Three-day IEEE workshop on Indian Institute of Science, Bangalore 19th to 21st September, 2013	

	(xix)	98th Indian Science Congress held at SRM university, Chennai Indian Science Congress Association, Kolkata 3rd to 7th January, 2011
	(xx)	Workshop on Intellectual Property Rights, Tezpur University, Tezpur 3rd June, 2011
	(xxi)	European Symposium on Photocatalysis, JEP 2011 European Photocatalysis Federation, France 29th to 30th September, 2011
	(xxii)	National Workshop on Nuclear and Atomic Techniques based Pure and Applied Sciences Tezpur University, Tezpur and UGC-DAE Consortium for Scientific 1st to 3rd February, 2011 Research, Kolkata
	(xxiii)	97th Indian Science Congress held at University of Kerala, Thiruvananthapuram Indian Science Congress Association, Kolkata 3rd to 7th January, 2010
	(xxiv)	International Congress on Renewable Energy (ICORE- 2010) Solar Energy Society of India, Delhi 1st to 3rd December, 2010
	(xxv)	Effect of silver deposition on detoxification and disinfection performance of a TiV oxide photocatalyst, Ranjith G Nair , S. K. Samdarshi, H. Mutin and B. Boury, 2011, European Symposium on Photocatalysis (JEP11) Bordeaux, France
	(xxvi)	Synthesis of silver sensitized nanoparticles for solar cell application, Swapna Ojah, Ranjith. G. Nair and S. K. Samdarshi, 2011, National Conference on Smart Nanocluster (NCSN) held at Tezpur University, Tezpur
	(xxvii)	Mixed phase vanadium doped titania nanoparticles for photocatalytic degradation of Phenol, Ranjith. G. Nair and S. K. samdarshi, 2011, National Workshop on Nuclear and Atomic Techniques Based Pure and Applied Sciences (NATPAS) held at Tezpur University, Tezpur
	(xxviii)	Design of a Compound Parabolic Solar Reactor with Cylindrical Absorber used for Photocatalytic Detoxification, Paranjyoti Bharadwaj, Ranjith. G. Nair and S. K. Samdarshi, 2011, Indian Science Congress (ISCA), SRM University, Chennai
	(xxix)	Enhanced visible active rutile TiO ₂ nano photocatalyst for the degradation phenol, Swapna Ojah, Ranjith G. Nair and S. K. Samdarshi, 2011, Indian Science Congress (ISCA), SRM University, Chennai
	(xxx)	Enhanced photocatalytic activity of N-doped Titania nanoparticles, Barnali Das, Ranjith. G. Nair , Samrat Paul. S. K. Samdarshi, 2010, National conference on Renewable Energy (NCRE) Tezpur university, Tezpur
	(xxxi)	Influence of Anatase/Rutile ratio on photocatalytic activity of TiO ₂ nanoparticles, Ranjith. G. Nair and S. K. Samdarshi, 2010, National conference on Renewable Energy (NCRE) Tezpur university, Tezpur
	(xxxii)	Tuning of Visible light activity of Ti oxide nanoparticles using V as dopant, A. M. Tripathi, S. K. Samdarshi and Ranjith. G. Nair , 2010, Indian Science Congress (ISCA), Kerala University, Trivandrum

44.	Ms. Ritu Tripathi, JNU, New Delhi]	(i)	Isolation and characterization of green microalgae, <i>Scenedesmus</i> sp. strain ISTGA1 for sequestration of CO ₂ and biodiesel production,2013(Under Review)
		(ii)	Isolation, Purification and characterization of lipase from <i>Microbacterium</i> sp. and its application in biodiesel production,2014(Under Review)
		(iii)	Characterization of endolithic cyanobacterial strain, <i>Leptolyngbya</i> sp. ISTCY101, for prospective recycling of CO ₂ and biodiesel production ,2014(Under Review)
		(iv)	Utilization of wastewater resources for sustainable algal biofuel production and phycoremediation,2013(Poster)
		(v)	Biodiesel production from carbon dioxide sequestering bacteria <i>Serratia</i> sp. ISTD04,2014(Poster)
45.	Ms. Pratima Singh, [TERI University, Vasant Kunj, New Delhi]	(i)	Singh P, C.Carliell Marquet, Kansal.A (2012), Applied water Science. "Energy pattern analysis of a wastewater treatment plant".September 2012,vol 2,issue 3,pp221-226
		(ii)	Paper 2- "Energy and G(G implications of sewage treatment options and considerations for optimal choice" submitted for editing -2014
		(iii)	Poster selected at DSDS theme "Water and Food security"
		(iv)	Poster selected at IIT-Mumbai for 1st workshop on "Climate change and policy"
		(v)	Paper 3- " Estimation of energy consumption and GHG emission in WWTP for identifying the drivers for environmental burden - Case study Delhi" submitted for editing -2014
46.	Ms. Sneha Singh, [Teri University, Vasant Kunj, New Delhi]	(i)	Biohydrogen production by <i>Thermoanaerobacterium thermosaccharolyticum</i> TERI S7 from oil reservoir flow pipeline. Sneha Singh , Priyangshu Manab Sarma, Banwari Lal. International journal of Hydrogen Energy (2014) 39: 4206-4214. (Impact factor 3.548).
		(ii)	International Conference on Advances in Biological Hydrogen Production and Application (ICABHPA-2012). Institute of Science and Technology. Jawaharlal Nehru Technological University Hyderabad (14-15 December 2012). Oral presentation
		(iii)	National Convection of National Renewable Energy Fellows. MNRE Conference Hall, New Delhi (March 6-7 March 2013).
		(iv)	DSIR-NMCC National Conference on "Accelerating Technology Innovation for Inclusive and Sustainable Growth". Hall No. 6, Vigyan Bhawan, New Delhi (7 th November, 2013)
47.	Ms. Pooja Arora, [Teri University, Vasant Kunj, New Delhi]	(i)	Arora, P. , Jain, S., Sachdeva, K., 2013. Physical characterization of particulate matter emitted from wood combustion in improved and traditional cookstoves. Energy for Sustainable Development 5, 497-503.
		(ii)	Arora, P. , Jain, S., Sachdeva, K., 2013. Laboratory based assessment of cookstove performance using energy and emission parameters for North Indian cooking cycle (Submitted in Biomass and Bioenergy)

		(iii)	Arora, P. , Das, P., Jain, S., Kishore, V.V.N., 2013 Cookstove testing protocols: A laboratory based comparative study of Indian testing protocol and WBT. (Submitted in Energy for Sustainable Development)
		(iv)	ProSPER.Net Young Researchers' School "Building a resilient society in Asia" held at Universitas Gadjah Mada (UGM), Yogyakarta, Indonesia, 17 to 28 September 2012. Secured 3rd position in '3 minute thesis' competition.
		(v)	Arora, P. and Jain, S. 'Biomass burning: Energy and emissions performance of traditional and improved cookstoves under controlled laboratory conditions', N)RMAAN: Rural sustainability, Delhi Technological University (DTU), New Delhi, January 29, 2014.
		(vi)	Arora, P. and Jain, S. 'Size resolved characterization of particles emitted from wood burning in cookstoves and its impact on climate', International Workshop on Climate Change Impacts and Societal Adaptation, Central University of Rajasthan, Ajmer, Rajasthan, November 7-8, 2013.
		(vii)	Arora, P. and Jain S. 'Biomass burning: a comparative analysis of energy and emission performance of cookstoves based on local practices', National convention of National Renewable Energy fellows, organized by Ministry of New and Renewable Energy (MNRE), Government of India New Delhi, March 6-7, 2013.
		(viii)	Selected for "Advance Short Course in Sustainability Science" to be held at Venice International University this May 19-23, 2014

48.	Ms. Aditi Banerji, [TERI University, Vasant Kunj, New Delhi]	(i)	Banerji A. , Balakrishnan M., Kishore V.V.N. (2010). Comparison and evaluation of two pretreatment processes for enhancing enzymatic saccharification of sweet sorghum bagasse. Journal of Biofuels, 1(1), 15-19.
		(ii)	Banerji A. , Balakrishnan M., Kishore V.V.N. (2013). Low severity dilute-acid hydrolysis of sweet sorghum bagasse. Applied Energy, 104, 197 – 206.
		(iii)	Banerji A. , Kurian J., Kishore V.V.N., Balakrishnan M. (2013). Evaluation of two-stage chemical fractionation for enhanced enzymatic saccharification of cellulose in rice straw. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 35(18), 1753-1760
		(iv)	Banerji A. , Kishore V.V.N., Balakrishnan M. (2013). Comparison of pretreatments on release of sugars from sweet sorghum bagasse for bioethanol production. Accepted and under publication in International Journal of Green Energy
		(v)	Kurien J. K. , Ashok M. K., Banerji A. , Kishore V.V.N. (2010). Bioconversion of hemicellulose hydrolysate of sweet sorghum bagasse to ethanol by using Pichia stipitis NCIM 3497 and Debaryomyces hansenii sp. BioResources, 5(4), 2404-2416.
		(vi)	Banerji A. , Balakrishnan M., Kishore V.V.N. (2014). Evaluating fermentability of dilute acid hydrolysate using Toxicity Index (TI) and application of waste-based adsorbent for detoxification. Submitted

		(vii)	Aditi Banerji , Malini Balakrishnan and V V N Kishore. "Comparison and evaluation of 2 pretreatment processes for enhancing enzymatic saccharification of sweet sorghum bagasse." Paper presentation in the 1st International Conference on "New Frontiers in Biofuels", 18-19 January, 2010, New Delhi, India.
		(viii)	Aditi Banerji , Jiby K Kurien, Minu K Ashok, Malini Balakrishnan and V V N Kishore. " Utilizing sweet sorghum bagasse for the extraction of fermentable sugars from the polysaccharide fraction for bioethanol production. " Paper accepted in International Conference on Emerging Trends in Energy and Environment, ICETEE2010, 7-8 January 2010, Chennai , India.
		(ix)	Aditi Banerji , Malini Balakrishnan and V V N Kishore. "Evaluation of two-stage chemical pretreatment for enhanced enzymatic saccharification of cellulose in rice straw." Paper presented at the International Symposium on Alcohol Fuels, ISAF-XVIII, 9 -12th March, 2010, New Delhi, India.
		(x)	Aditi Banerji , Malini Balakrishnan and V V N Kishore. "Pretreatment of agro-residues for production of fermentable sugars." Poster selected for Earth Day (2013) at Institute of Paper Science and Technology; Georgia Tech. Available online at:
49.	Ms Deepti Sharma, [TERI University, Vasant Kunj, New Delhi]	(i)	Addressing the Impacts of Indoor Air Pollution with respect to Socio-Economic and Health Perspectives, Multidisciplinary Approach in Frontier Areas of Environmental Science and Engineering (MAFAESE-2011)
		(ii)	Evaluating Health Effects and Risk Characterization due to Emissions from Biomass Energy Based Traditional and Advanced Cookstoves in Rural communities, In House Poster Presentation in Front of NAAC officials
50.	Mr. K. G Nishanth, [Central Electrochemical Research Institute, Taramani, Chennai]	(i)	K. G. Nishanth , P. Sridhar, S. Pitchumani and A. K. Shukla, "A DMFC with Methanol-Tolerant-Carbon-Supported-Pt-Pd-Alloy Cathode", Journal of the Electrochemical Society, 158 (8) B871-B876 (2011).
		(ii)	K. G. Nishanth , P. Sridhar and S. Pitchumani, "Enhanced oxygen reduction reaction activity through spillover effect by Pt- γ (OH) ₃ /C catalyst in direct methanol fuel cells", Electrochemistry Communications 13, 1465-1468 (2011).
		(iii)	K. G. Nishanth , P. Sridhar, S. Pitchumani and A. K. Shukla, "Durable Transition- Metal-Carbide-Supported Pt-Ru Anodes for Direct Methanol Fuel Cells, Fuel Cells" 12, 146-152, (2012).
		(iv)	K. G. Nishanth , P. Sridhar and S. Pitchumani, "Carbon-supported Pt encapsulated Pd nanostructure as methanol-tolerant oxygen reduction electrocatalyst", International Journal of Hydrogen Energy (accepted).
		(v)	K. G. Nishanth , P. Sridhar, S. Pitchumani and A. K. Shukla, "Pt-Ru decorated self assembled TiO ₂ -Carbon hybrid nanostructure for enhanced methanol electro-oxidation" Bulletin of Material Science (accepted).
		(vi)	K. G. Nishanth , P. Sridhar and S. Pitchumani "Durable unsupported porous Pt electro catalyst for enhanced oxygen reduction and methanol oxidation reactions" (Communicated).

51.	Mr. S. Vinod Selvaganesh, [Central Electrochemical Research Institute, Taramani, Chennai]	(i)	S. Vinod Selvaganesh, G. Selvarani, P. Sridhar, S. Pitchumani and A.K. Shukla, <i>A durable PEFC with carbon- supported Pt-TiO₂ cathode: a cause and effect study</i> , Journal of Electrochemical Society 157 (7) (2010) B1000- B1007.
		(ii)	G. Selvarani, S. Vinod Selvaganesh, P. Sridhar, S. Pitchumani and A.K. Shukla, <i>Pt-Au/C cathode with enhanced oxygen-reduction activity in PEFCs</i> , Bulletin of Materials Science 34 (2) (2011) 337-346.
		(iii)	S. Vinod Selvaganesh, G. Selvarani, P. Sridhar, S. Pitchumani and A.K. Shukla, <i>Graphitic Carbon as Durable Cathode-catalyst-support for PEFCs</i> , Fuel Cells 11(3) (2011) 372-384.
		(iv)	S. Vinod Selvaganesh, G. Selvarani, P. Sridhar, S. Pitchumani and A. K. Shukla, <i>Durable electrocatalytic-activity of Pt- Au/C cathode in PEFCs</i> , Physical Chemistry Chemical Physics 13 (2011) 12623-12634.
		(v)	S. Vinod Selvaganesh, G. Selvarani, P. Sridhar and S. Pitchumani, <i>PEFCs with enhanced durability using carbon supported Pt-TiO₂ composite catalyst</i> , Poster presentation at Fifteenth National Convention of Electrochemists held at Vellore Institute of Technology, Vellore. (Febrary 18-19, 2010). (Abstract No. B-16).
		(vi)	S. Vinod Selvaganesh, G. Selvarani, P. Sridhar and S. Pitchumani, <i>PEFCs with increased durability employing graphitized carbon-support</i> , Poster presentation at Nineth International Symposium on Advances in Electrochemical Science and Technology, Chennai (December 2-4, 2010). (Abstract No. B-22).
		(vii)	S. Vinod Selvaganesh, G. Selvarani, P. Sridhar and S. Pitchumani, <i>A durable PEFC with ORR active Pt-Au/C cathode catalyst</i> , Poster presentation at Chennai Chemistry Conference (CCC) held at Indian Institute of Technology-Madras (IIT-M), Chennai (Febrary11-13, 2011). (Abstract No. P-2).
		(viii)	S. Vinod Selvaganesh, G. Selvarani, P. Sridhar and S. Pitchumani, <i>PEFCs with increased durability employing graphitized carbon-support</i> , Poster presentation at National Conference on Nanoscience and Nanotechnology (NCNN), University of Madras, Chennai (August 25-27, 2011). (Abstract No. PP-27).
52.	Mr. D. Sivaramkrishna, [Institute of Science & Technology, JNTU, Hyderabad(CENTRE FOR ENVIRONMENT)]	(i)	D. Sivaramkrishna, D. Srekanth, V. Himabindu, M. Lakshmi Narasu, Y. Anjaneyulu, <i>Thermo-acidophilic biohydrogen production from rice bran de-oiled wastewater by selectively</i> journal of enrgy and environment. Vol. 1,Issue 4,2010,p.p. 657-666.
		(ii)	D. Sivaramkrishna, D. Srekanth, V. Himabindu, M. Lakshmi Narasu, M sivaramkrishnan," <i>Effect of operational parameters on biohydrogen production by clostridium butyricum JNTUH isolated from slaughterhouse sludge"</i> presented at Andhra Pradesh Akademi of Science(APAS) in JNTUH held during Nov. 18-20-2010.

53.	Mr. Adarsh Kumar Pandey , [Shri Mata Vaishno Devi University Jammu (J&K state), India]	(i)	Tyagi S.K., Pandey A.K. , Pant P.C., Tyagi V.V., Prediction potential and control of visible plume from wet cooking towers in commercial building using different heating sources: A Review, Renewable and Sustainable Energy Reviews, Vol. 16, (2012), pp. 3409– 3429. (Impact Factor 4.567).
		(ii)	Tyagi S.K., Pandey A.K. , Sahu S., Bajala V., Rajput J.P.S., Experimental study and performance evaluation of various cook stove models based on energy and exergy analysis, Journal of Thermal Analysis and Calorimetry, (In Press, 2012) (Impact Factor 1.72).
		(iii)	Tyagi V.V., Kaushik S.C., Pandey A.K. , Tyagi S.K., Experimental study of the supercooling and pH behavior of a typical phase change material for thermal energy storage, Indian Journal of Pure & Applied Physics, Vol. 49, (2011),pp. 117-25. (Impact Factor 0.452).
		(iv)	Tyagi V.V., Pandey A.K. , Giridhar G., Bandhopdhayay B., Park S.R., Tyagi S.K., Comparative study based on exergy analysis of solar air dryer using temporary thermal energy storage, International journal of Energy Research, Vol. 36, (2012), pp. 724-736. (Impact Factor 1.860).
		(vi)	Pandey A.K. , Tyagi V.V., Park S.R., Tyagi S.K. Comparative experimental study of solar cookers using exergy analysis, Journal of Thermal Analysis and Calorimetry, (Published Online, March 2011) (Impact Factor 1.752).
		(vii)	Tyagi V.V., Kaushik S.C., Pandey A.K., Tyagi S.K., Thermal performance evaluation of a solar air heater with and without thermal energy storage: an experimental study, Journal of Thermal Analysis and Calorimetry, Vol. 107, (2012), pp. 1345–1352. (Impact Factor 1.752).
		(viii)	Pandey A.K. , Tyagi V.V., Rahim N.A., Tyagi S.K., Energetic and exergetic analysis of two different types PCM based thermal management systems for space conditioning applications, Applied Energy, (Submitted, 2012) (Impact Factor 3.915).
		(ix)	Pandey A.K. , Sastry O.S., Pant P.C., Kumar A., Tyagi S.K., Performance evaluation and parametric study of solar photovoltaic module, Solar Energy Materials & Solar Cells, (Submitted, 2012) (Impact Factor 4.593).
		(x)	Pandey A.K. , Tyagi S.K., Exergetic analysis and parametric study of multi-crystalline SPV system, Energy-an International Journal, (Submitted, 2012) (Impact Factor 3.565).
		(xi)	Pandey A.K. , Tyagi S.K., Exergy and energy analyses of HIT solar photovoltaic module, Applied Energy, (Submitted, 2012) (Impact Factor 3.915).
		(xii)	Pandey A.K. , Tyagi S.K., Experimental evaluation and comparative study of different SPV modules using second law analysis, Solar Energy Materials & Solar Cells, (Submitted, 2012) (Impact Factor 4.593).