

Profile Page



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Journal Publications :

Year	Journal	Publication
2018	Indian Chemical Engineer, International Journal, Volume 60, DOI: 10.1080/0019 4506.201 7.1350826 196-209	HarmanpreetMeehnian, Asim K. Jana, "Variation in particle size, moisture content and supplements for improvement of cotton stalks' lignin degradation by Phlebiaradiata and saccharification"
2018	Karbala International Journal of Modern Science, International Journal, Volume 4, 164-170	Nisha Devi, Asim K. Jana, VirenderSingh, "Assessment of novel pyrazolopyridinone fused imidazopyridines as potential antimicrobial agents"
2018	3 Biotech International Journal, Volume 8, Article:35 Pages 1-13	Antriksh Gupta, Asim Kumar Jana, "Effects of wheat straw solid contents in fermentation media on utilization of soluble/insoluble nutrient, fungal growth and laccase production"
2018	Waste and Biomass Valorization, International Journal, DOI: 10.1007/s12649-018-0276-z , Pages 1-14	Vartika Mishra, Asim K. Jana, "Sweet sorghum bagasse pretreatment by Coriolus versicolor in Mesh Tray Bioreactor for selective delignification and improved saccharification"
2018	Bioprocess and Biosystems Engineering	Antriksh Gupta, Asim Kumar Jana, "Production of laccase by repeated batch semi-solid fermentation using wheat straw as substrate and support for fungal growth"
2017	International Biodeterioration & Biodegradation, 117, 68-77	HarmanpreetMeehnian, Asim K. Jana, MithuMaiti Jana, "Pretreatment of cotton stalks by synergistic interaction of Daedaleaflavida and Phlebiaradiata in co-culture for improvement in delignification and saccharification"
2017	International, 55, 116–125	Vartika Mishra, Asim K. Jana, Mithu Maiti Jana, Antriksh Gupta, "Synergistic effect of syringic acid and gallic acid supplements in fungal pretreatment of sweet sorghum bagasse for improved lignin degradation and enzymatic saccharification. Process Biochemistry "
2017	Applied Biochemistry and Biotechnology International Journal, 183(1), 200-217	Vartika Mishra, Asim K. Jana, "Fungal pretreatment of sweet sorghum bagasse with combined CuSO ₄ -gallic acid supplement for improvement in lignin degradation, selectivity, and enzymatic saccharification"
2017	Web of Science American Scientific Publishers International Journal, 6, 1, 69-82, March 2017	Rajeev Jindal, MithuMaiti, Pooja Sharma, Rachna Sharma, Vartika Mishra, Deepika Gupta, Asim K. Jana, "Synthesis and characterization of gum Dammar-Acrylamide copolymer based nanogel under vacuum conditions and to study their applications Energy and Environment Focus"

2017	Journal of Environmental Management International, 193, 558-566	Vartika Mishra, Asim K. Jana, Mithu Maiti Jana, Antriksh Gupta, "Improvement of selective lignin degradation in fungal pretreatment of sweet sorghum bagasse using synergistic CuSO ₄ -syringic acid supplements"
2017	International, 236 (2017) 49–59	Vartika Mishra, Asim K. Jana, Mithu Maiti Jana, Antriksh Gupta, "Enhancement in multiple lignolytic enzymes production for optimized lignin degradation and selectivity in fungal pretreatment of sweet sorghum bagasse Bioresource Technology "
2017	3 Biotech International, 7 (2), 110, 2-13	Vartika Mishra, Asim K. Jana, Mithu Maiti Jana, Antriksh Gupta, "Fungal pretreatment of sweet sorghum bagasse with supplements: improvement in lignin degradation, selectivity and enzymatic saccharification"
2016	Indian Chemical Engineer International Journal, DOI:10.1080/00194506.2016.1139473	Deepak Kohli, Sangeeta Garg, A.K Jana & MithuMaiti, "Synthesis of Graft Copolymers for Green Composite Films and Optimization of Reaction Parameters using Taguchi (L16) orthogonal Array,"
2016	Iranian Polymer JournalInternationalJournal, Vol 25, Issue 8 DOI 10.1007/s13726-016-0456-2	Pooja Sharma, Rajeev Jindal, MithuMaiti, Asim K. Jana, "Novel organic–inorganic composite material as a cation exchanger from a triterpenoidal system of dammar gum: synthesis, characterization and application"
2016	Advanced Science, Engineering and MedicineInternational Journal, 8, 11, 888–895	Rajeev Jindal, Rachna Sharma, MithuMaiti, B S Kaith, Amarjot Kaur, Pooja Sharma, Vartika Mishra, A. K. Jana, "Synthesis and characterization of polyacrylamide grafted reduced gum rosin based nanogels and study of their antibacterial activity"
2016	3 BiotechInternational Journal, Pg 6, 235, 2-13 DOI 10.1007/s13205-016-0548-x	HarmanpreetMeehnan, Asim K. Jana, MithuMaiti Jana, "Effect of particle size, moisture content, and supplements on selective pretreatment of cotton stalks by Daedaleaflavida and enzymatic saccharification"
2016	Applied Biochemistry and BiotechnologyInternational Journal, 181:1465–1484 DOI 10.1007/s12010-016-2296-0	HarmanpreetMeehnan, Asim K Jana, "Cotton stalk pretreatment using Daedaleaflavida, Phlebiaradiata, and Flavodonflavus: Lignin degradation, cellulose recovery, and enzymatic saccharification"
2016	International, 74, 8, 2995–3014	Rajeev Jindal, Rachna Sharma, MithuMaiti, Amarjot Kaur, Pooja Sharma, Vartika Mishra, A. K. Jana, "Synthesis and characterization of novel reduced gum rosin-acrylamide copolymer-based nanogel and their investigation for antibacterial activity Polymer Bulletin"
2016	International Journal of Hydrogen Energy, (ISSN: 0360-3199), ElsevierVol 41, pp 7301-7317	Nitai Basak, Asim Kumar Jana and Debabrata Das, "CFD modeling of hydrodynamics and Optimization of photofermentative hydrogen production by Rhodospseudomonas palustris DSM123 in Annular photobioreactor"
2016	International Journal, Chapter 22, (ISBN:13: 978-1-78064-653-4),CABI of Nosworthy Way, Wallingford, Oxon OX10 8DE, UK.	Ashim Borah, NitaiBasak and Asim Kumar Jana, "Leishmaniasis: Drug Development and Intellectual Property Issues Intellectual Property Issues in Biotechnology "
2015	Biocatalysis and Agricultural BiotechnologyInternational Journal, Volume 4, Issue 4, Pages 486–492	Asim Kumar Jana, Kapish Gupta, Sandeep Kumar, MithuMaiti Jana, "Solid state fermentation with recovery of Amyloglucosidase from extract by direct immobilization in cross linked enzyme aggregate for starch hydrolysis."
2014	International Journal of Hydrogen Energy, 5 yearImpact Factor 3.4, pp.11889-11901. (ISSN: 0360-3199), Elsevier, Vol 39	NitaiBasak, Asim Kumar Jana, Debabrata Das, "Optimization of molecular hydrogen production by Rhodobactersphaeroides O.U.001 in the annular photobioreactor using response surface methodology"

Conference Publications :

Year	Conference	Publication
2016	International Conference on Application of Biotechnology in Industry and Society (ABIS – 2016) organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	Ramandeep Kaur, Rahul Sharma, Antriksh Gupta, Asim K Jana, "Preparation of laccase Immobilized functional magnetic nanoparticles and its application for dye degradation"
2016	International Conference on Application of Biotechnology in Industry and Society (ABIS – 2016) organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	Shweta Mahajan, Arun Singh Pathania, Asim K Jana, Sandeep Kumar, "Lectin immobilized magnetic particle and their application in glycolipid biosurfactant recovery"
2016	International Conference on Application of Biotechnology in Industry and Society (ABIS – 2016) organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	Asim K Jana, Vartika Mishra, "Methods to enhance ligninolytic enzymes and pretreatment of Lignocelluloses biomass for efficient hydrolysis"
2016	International Conference on Application of Biotechnology in Industry and Society (ABIS – 2016) organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	Deepak Kohli, Sangeeta Garg, Asim K Jana, Aanchal Mittal, "Poly vinyl alcohol nano composite films containing cellulosic nano-fibrils extracted from barley husk"
2016	International Conference on Application of Biotechnology in Industry and Society (ABIS – 2016) organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	Vibha Chaudhary, Rajeev Jindal, MithuMaiti, Rachna Sharma, Saneet Kaur, A K Jana, A Gupta, "Synthesis and characterization of silver based nanocomposites for toxic dye removal and study of its antimicrobial activity"
2016	International Conference on Application of Biotechnology in Industry and Society (ABIS – 2016) organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	Antrikh Gupta, Pankaj Goyal, Sandeep Kumar, Asim K Jana, "Statistically optimized preparation of catalase immobilized magnetic nanoparticles"
2016	International Conference on Application of Biotechnology in Industry and Society (ABIS – 2016) organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	Parneet Kaur, Asim K Jana, "Immobilization of enzymes on nanoparticles: recent trends"
2016	International Conference on Application of Biotechnology in Industry and Society (ABIS – 2016) organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	Akansha Sharma, Rajeev Jindal, MithuMaiti, Rachna Sharma, A K Jana, A Gupta, "Synthesis of Ni-Co bimetallic and reduced gum rosin based nanogels and study of their antimicrobial activity"
2016	International Conference on Application of Biotechnology in Industry and Society (ABIS – 2016) organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	Asim K Jana, Antriksh Gupta, "Different methods of laccase production using agricultural residue by white rot fungi"
2016	International Conference on Application of Biotechnology in Industry and Society (ABIS – 2016) organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	HarmanpreetMeehnian, Asim K Jana, "Overview of biological pretreatment for delignification of lignocellulosic biomass by white rot fungi in solid state fermentation"
2016	International Conference on Application of Biotechnology in Industry and Society (ABIS – 2016) organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	Asim K Jana, Vartika Mishra, "Screening of fungal strain on the basis of ligninolytic and cellulolytic ability to degrade lignin selectively"
2016	International Conference on Application of Biotechnology in Industry and Society (ABIS – 2016) organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	Asim K Jana, Arun Singh Pathania, "Surfactants from microbial origin: review on current prospect"

2016	International Conference ANNIC 2016, University Pompeu Fabra, Barcelona, Spain	Sandeep Kumar, Asim K Jana, "Statistically optimized reparation of catalase immobilized agnetic nanoparticles Applied Nanotechnology and Nanoscience"
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Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISS N No.	Year
	Leishmaniasis: Drug Development and Intellectual Property Issues, Intellectual Property Issues in Biotechnology	Wallingford, Oxon OX10 8DE, UK, pp 245-253, ,	Ashim Borah, Nitai Basak and Asim Kumar Jana, "Editors: Singh HB, Jha A, Keswani C, CABI of Nosworthy Way"	ISBN: 13: 978-1-780 64-653-4	2016
	Conference on Application of Biotechnology in Industry and Society, organized by Department of Biotechnology, NIT Jalandhar, Sponsored by TEQIP –II, MHRD	Excel India Publishers, New Delhi - 110067	Dr N Basak and Dr Asim K Jana	ISBN: 978-93-85 777-58-5	2016