

ASHOK PANDEY - List of Publications, including Patents/Books/Book Chapters/Technical Reports/Special Issues of Journals

[As on December 20, 2022; most recent listed first]

PATENTS

1. Process for the preparation of clavulanic acid employing *Streptomyces clavuligerus* MTCC 1142 in a solid-state fermentation, P Saudagar, SK Singh, R Singhal & Ashok Pandey, CN102933717A, Feb 13, 2013
2. A process on lactic acid production from starchy agro-residues, R Banerjee, M Bishai, B Adhikari, G Reddy, KM Nampoothiri & Ashok Pandey, 1251/KOL/2012 Dated 31.10.2012
3. Process of production of arginine employing *Corynebacterium glutamicum* ATCC21831 or *Corynebacterium glutamicum* ATCC 21493 in a fermentation medium comprising cassava bagasse or jackfruit seed as a carbon source, Ashok Pandey, KM Nampoothiri & R Subramanyam, No 20120309061 (2011), Granted October 6, 2015
4. Utilization of agro-industrial residues for the fermentative production of arginine, KM Nampoothiri, Ashok Pandey & R Subramanyam, PCT/US2010/025371(2011)
5. Process of producing arginine employing ATCC 21831 or ATCC 21493 in an a fermentation medium comprising cassava bagasse or jackfruit seed as a carbon source, Ashok Pandey, KM Nampoothiri & R Subramanyam, PCT no 9150892 (2010) Granted October 6, 2015
6. An improved bioprocess for the production of extracellular L-methionine aminopeptidase (L-MAP) from *Streptomyces gedanensis* under solid-state fermentation (SSF), KM Nampoothiri, R Rahulan & Ashok Pandey, Indian Patent, 0155NF (2010)
7. Improved fermentation process for the production of microbial lipid containing high amounts of gamma-linolenic acid, SU Ahmed, SK Singh and Ashok Pandey, Indian Patent NF 009, 2008; IN200900182-II
8. A solid-state fermentation process for the preparation of clavulanic acid, PS Saudagar, SK Singh, RS Singhal & Ashok Pandey, Indian Patent NF/042/2006, 30th March 2006; PCT/IB07/001095, dated 27.4.07; WO2008132531-A1
9. Development of fermented jack fruit seed powder & use the same as potential substrate for the production of food grade red pigments by SSF, S Babitha & Ashok Pandey, Indian Patent, NF257/04 (2004)
10. A process for the production of phytase by solid-state fermentation with jack fruit seed powder using *Aspergillus ficcum*, KM Nampoothiri & Ashok Pandey, Indian Patent NF/006/2004; IPANo 1891/DEL/04, dated 30.9.04
11. An improved process for the production of phytase by *Aspergillus ficuum* under solid-state fermentation. Ashok Pandey, S Sarita, A Sabu & G Szakacs. Indian Patent, NF/338/01, IPA No 1892/DEL/04, dated 30/9/04
12. Production of xanthan gum from cassava bagasse hydrolyzate. CR Soccol, AL Woiciechowski & Ashok Pandey, Brazilian Patent no INPI No 001544, Instituto Nacional de Propriedade Industrial, Brazil, December 27, 2000
13. A novel process for the production of cyclosporin A. Ashok Pandey & K Balakrishnan. Indian Patent 184,003; IPA 1920/DEL/95, dated 19.10.95
14. A novel process for the production of fungal spores in solid-state fermentation. Ashok Pandey, P Selvakumar, L Ashakumary & AD Damodaran. Indian, IPA no 379/DEL/96, dated 23.2.96
15. An improved process for the preparation of glucoamylase enzyme, Ashok Pandey, Indian Patent 178612; IPA No 1041/DEL/91, dated 29.10.91

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16. Engineering design for Centre for Biofuels, Ashok Pandey & RK Sukumaran, IPU 015CR2011, New Delhi, 27th August (2011)

POPULAR SCIENCE BOOKS

17. *The Realm of Industrial Biotechnology*, Ashok Pandey, Asiatech Publishers Inc., New Delhi, p. 43 (2000) ISBN: 81-87680-02-4
18. *Threads of Life*. Ashok Pandey. National Institute of Science Communication, New Delhi, p. 51 (1998) ISBN: 81-7236-187-4

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21. *Current Developments in Biotechnology and Bioengineering*, Book 39, Series Editor: Ashok Pandey, *Smart Solutions for Wastewater: Roadmapping the Transition to Circular Economy*; Editors- G Mannina, Ashok Pandey & Ranjna Sirohi; Elsevier, Amsterdam, Netherlands; p (2022) ISBN- 978-0-323-99920-5
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INTERNATIONAL CONFERENCES COMMUNICATIONS

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1174. Solid waste management: Do biorefineries offer sustainability for crop wastes management? 8th International Conference on Sustainable Solid Waste Management (THESSALONIKI 2021), Greece; June 23-26 (2021) **KEYNOTE LECTURE**
1175. Microalgal cultivation on wastewaters for energy and environmental sustainability, Ashok Pandey, Distinguished Lecture Series, Hong Kong Baptist University, Hong Kong; May 25 (2021) **DISTINGUISHED LECTURE**
1176. Spirituality vis-a-vis Sustainability: Solid Waste Management for Environment and Health Protection, Ashok Pandey, Eco-theology conference on Sustainability through Simplicity and Spirituality (Virtual), May 22-23 (2021) **KEYNOTE LECTURE**
1177. Biochar as sustainable bioabsorbent for the remediation of dyes containing industrial wastewater, Ashok Pandey, Asia-Pacific Biochar Conference, The Hong Kong Polytechnic University; May 12-14 (2021) **KEYNOTE LECTURE**
1178. Resource recovery from biowastes: Bioeconomy perspective for energy and environmental sustainability, Ashok Pandey, International Conference on Sustainable Biowaste Management, Hong Kong Baptist University, Hong Kong; April 12-15 (2021) **KEYNOTE LECTURE**
1179. Technological advancements and innovations for pretreatment strategies of chili post-harvest residue biorefinery, R Sindhu, P Binod & Ashok Pandey, International conference on Bioengineering solutions for Healthcare, Food, Energy, and Environment (BSHFEE- 2021), IIT Jodhpur, India; April 9-10, p104 (2021)
1180. Recovery of 2,3-butanediol from the fermented broth using aqueous two-phase extraction (APTS) and vacuum distillation: purification and characterization; V Narisetty, Y Amraoui, P Binod, V Kumar & Ashok Pandey, International conference on Bioengineering solutions for Healthcare, Food, Energy, and Environment (BSHFEE- 2021), IIT Jodhpur, India; April 9-10, p 101 (2021) **BEST PAPER AWARD**
1181. Biosynthesis and statistical media optimization for growth and poly-3-hydroxybutyrate production by *Bacillus sp.* characterized through FTIR and NMR, Ranjna Sirohi & Ashok Pandey, International conference on Bioengineering solutions for Healthcare, Food, Energy, and Environment (BSHFEE- 2021), IIT Jodhpur, India; April 9-10, p 99 (2021) **BEST PAPER AWARD**
1182. Transcriptome analysis identifies candidate genes involved in regulation of cellulases in *Penicillium janthinellum* NCIM-1366, Athira Raj SR, M Christopher, Prajeesh KV, A Abraham, DV Gokhale, Ashok Pandey & RK Sukumaran, International Conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH-2021), Jaipur, India; April 4-8, p299 (2021)
1183. Chlorpyrifos degradation coupled with plant growth promoting activity of *Pseudomonas nitroreducens* AR-3 indicate potential in reclamation of pesticide contaminated soil; Athulya, A Aswathi, Athira VP, Dileep R, Ashok Pandey & RK Sukumaran, International Conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH-2021), Jaipur, India; April 4-8, (2021) **BEST PAPER AWARD**

1184. Waste-to-energy as an attractive solution for resource recovery and sustainable development, Ashok Pandey, International conference on Frontiers in Chemical Technology 2020; Colombo, Sri Lanka; July 20-22 (2020) **KETNOTE LECTURE**
1185. International Symposium on Recent Advances in Biotechnology: Bioeconomy Transformation and Achievement of Sustainable Development Goals, Precious Cornerstone University, Ibadan, Nigeria; February 23-27 (2020) **GUEST SPEAKER**
1186. Value-addition through the treatment and management of solid waste for environmental sustainability, Ashok Pandey, Semi-symposium on the Seafood Safety and Environmental Safety, National Kaohsiung University of Science and Technology, Kaohsiung City, Taiwan; December 16-20 (2019) **KETNOTE LECTURE**
1187. Solid waste management: The issue of sustainability, Ashok Pandey, 2nd International Conference on Green Technologies for Sustainable Water (GTSW 2019), Ho Chi Minh City, Vietnam; December 1-4 (2019) **KETNOTE LECTURE**
1188. Transcriptomic and proteomic approach for understanding microbial tolerance to the organophosphate pesticide-chlorpyrifos, A Aswathi, Ashok Pandey & RK Sukumaran, International Conference on New Horizons in Biotechnology & XVI Annual Convention of the Biotech Research Society, India; Trivandrum, India; November 20-24, p306 (2019)
1189. Genome sequencing and functional annotation of the fungus *Penicillium janthinellum* provide insights into its cellulolytic system, SR Athria Raj, A Abraham, M Christopher, KV Prajesh, DV Gokhale, Ashok Pandey & RK Sukumaran, International Conference on New Horizons in Biotechnology & XVI Annual Convention of the Biotech Research Society, India; Trivandrum, India; November 20-24, p304 (2019)
1190. Comparative study of cellulolytic enzymes secreted during solid and submerged state of fermentation of *Penicillium janthinellum*, S Meena, Ashok Pandey & RK Sukumaran, International Conference on New Horizons in Biotechnology & XVI Annual Convention of the Biotech Research Society, India; Trivandrum, India; November 20-24, p227 (2019) **BEST PAPER AWARD**
1191. Optimization for improved production of isobutanol by using *Candida glabrata*, LM Nair, C Salini, M Binoop, P Binod & Ashok Pandey, International Conference on New Horizons in Biotechnology & XVI Annual Convention of the Biotech Research Society, India; Trivandrum, India; November 20-24, p204 (2019)
1192. Adaptive evolution of *Lactobacillus brevis* NIE 9.3.3 in sweet sorghum juice and biodiesel derived crude glycerol to improve 1,3-propanediol production, KB Anjali, V Narisetty, Ashok Pandey & P Binod, International Conference on New Horizons in Biotechnology & XVI Annual Convention of the Biotech Research Society, India; Trivandrum, India; November 20-24, p175 (2019)
1193. Waste to Resources: Opportunities and Challenges, 4th Subject Specialized conference of International Bioprocessing Association on Accelerating Agricultural Biomass Utilization for Sustainable Development, Henan Agriculture University, Zhengzhou, China; November 2-4, (2019) **KETNOTE LECTURE**
1194. Waste to wealth: Resource recovery & sustainability, 4th International Conference on Alternative Fuels, Energy and Environment (ICAFEE): Future and Challenges; Feng Chia University, Taichung, Taiwan; October 18-21 (2019) **PLENARY LECTURE**
1195. Global energy demand vs sustainability: Bioenergy from agro-industrial wastes for greener climate, Ashok Pandey, International Conference on Advances and Innovations in Biotechnology for Sustainable Developments, AKS University, Satna, India; April 5-7 (2019) **KETNOTE LECTURE**
1196. Microalgal cultivation on wastewaters for energy and environmental sustainability, Ashok Pandey, International Conference Korea Water and Water Association, Daegu, Korea; March 21-22 (2019) **PLENARY LECTURE**
1197. Biofuels and biorefineries for energy and environmental sustainability, Ashok Pandey, E2S2-CREATE AND AIChE International Waste Management Conference, National University of Singapore, Singapore; March 11-13 (2019) **PLENARY LECTURE**
1198. Computational toxicity screening of biologically derived fuel compounds, Z Arif, Ashok Pandey, E Gnanousou & R Parthasarathi, International Conference on Bio-Innovation for Environmental and Health Sustainable Developments (BEHSD-2018), CSIR-IITR, Lucknow, India; November 27-28 (2018) **BEST POSTER AWARD**
1199. Bioconversion of food waste to an eco-friendly biopolymer, R Sindhu, P Mohan, A Manju, A Madhavan, P Binod & Ashok Pandey, International Conference on Bio-Innovation for Environmental and Health Sustainable Developments (BEHSD-2018), CSIR-IITR, Lucknow, India; November 27-28 (2018)
1200. Adsorption studies of lactic and acetic acid from simulated solutions and fermented broth using ion exchange resins: Equilibrium and kinetics, N Vivek, Ashok Pandey & P Binod, International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018) & XV Annual Convention of Biotech Research Society, CSIR-IITC, Hyderabad, India; November 22-25 (2018) **BEST PAPER AWARD**

1201. Semi-batch hydrolysis of rice straw to increase yield of fermentable sugars, MP Varghese, J Vakkachan, L Nair, RK Sukumaran, Ashok Pandey & Kiran Kumar M, International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018) & XV Annual Convention of Biotech Research Society, CSIR-IICT, Hyderabad, India; November 22-25 (2018)
1202. Biodegradation of chlorpyrifos by *Pseudomonas nitroreducens*: Investigations into the molecular mechanism of organophosphate degradation, A Aswathi, Ashok Pandey & RK Sukumaran, International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018) & XV Annual Convention of Biotech Research Society, CSIR-IICT, Hyderabad, India; November 22-25 (2018)
1203. Lignin re-deposition during pretreatment is a major factor affecting enzymatic hydrolysis of lignocellulosic biomass, S Meena, A Mathew, Ashok Pandey & RK Sukumaran, International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018) & XV Annual Convention of Biotech Research Society, CSIR-IICT, Hyderabad, India; November 22-25 (2018)
1204. 1,3-propanediol production using *Lactobacillus brevis* N1E9.3.3: Evaluation of control objectives under different feeding strategies in a glycerol-glucose co-fed batch fermentation, KB Anjali, N Vivek, E Burel, Ashok Pandey & P Binod, International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018) & XV Annual Convention of Biotech Research Society, CSIR-IICT, Hyderabad, India; November 22-25 (2018)
1205. Value addition of chili post-harvest residue, R Sindhu, P Binod, AK Mathew, A Abraham, Ashok Pandey & E Gnansounou, International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018) & xv Annual Convention of Biotech Research Society, India; CSIR-IICT, Hyderabad, India; November 22-25 (2018)
1206. Prospects of renewable energy from agri-biomass: Global energy demand vs sustainability, Ashok Pandey, International BioEnergy and Environment Research Cooperative Network (IBEE-RCN), Tianjin University, China; October 29-30 (2018) **INVITED LECTURE**
1207. Climate change, global energy demand and sustainability: How do we balance? Ashok Pandey, 1st international conference on Water Resources and Sustainability (ICWRS) & 3rd international conference on Fuels, Energy and Environment (ICAFE): Future and Challenges, Nanjing, China, October 28-31 (2018) **KEYNOTE LECTURE**
1208. Technological challenges, advancements and innovations in lignocellulosic based biorefinery for fuels and chemicals, R Sindhu, P Binod, N Vivek, SH Hazeena & Ashok Pandey, 2nd International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability, Elsevier, Sitges, Spain, September 16-19 (2018) **BEST POSTER AWARD**
1209. Biomass to Biofuels: Production of liquid biofuels from agro-industrial residues, Ashok Pandey, 2nd International Conference on Bioresources, Energy, Environment, and Materials Technology (BEEM 2018), Korea Biochar Research Center, Korean Society of Environmental Biology and Korean Society of Water and Wastewater, Gangwon-do, South Korea; June 10-13 (2018) **KEYNOTE LECTURE**
1210. Biomass to fuels and chemicals for energy and environmental sustainability, Spring Meeting and International Conference, Korean Society of Industrial and Engineering Chemistry, Daegu, South Korea; May 2-4 (2018) **INVITED LECTURE**
1211. Energy and Environmental Sustainability through Biorefineries, Ashok Pandey, International Symposium on Advanced Membranes & Sustainable Technologies, Tianjin Polytechnic University, Tianjin, China, April 13-16 (2018) **KEYNOTE LECTURE**
1212. Development of an integrated dilute acid lime pretreatment of chili post harvest residue for bioethanol production, R Sindhu, A Antony, P Binod, E Gnansounou, Ashok Pandey, A Kuruvilla Mathew & A Abraham, In- *Proceedings of the International Conference on Sustainable Energy and Environmental Challenges* (SEEC-2018), December 31, 2017 – January 3, 2018; Indian Institute of Science, Bangalore, India; pp 306-309 (2018)
1213. Moving towards a carbohydrate economy: Lignocellulosic biorefineries for fuels and chemicals, Ashok Pandey, International Conference on Challenges in Environmental Science and Engineering (CESE-2017), Kunming, China; November 11-15 (2017) **KEYNOTE LECTURE**
1214. Waste-to-Energy: Production of liquid biofuel from agro-industrial waste, Ashok Pandey, International Conference on Waste to Energy: Challenges and Opportunities, Shanghai, China; November 10-11 (2017) **KEYNOTE LECTURE**
1215. Biomass Based Biorefineries- A Case Study of Sorghum, Ashok Pandey, The 2nd International Conference on Alternative Fuels and Energy: Future and Challenges – ICAFE 2017, Daegu, South Korea; October 23-25 (2017) **KEYNOTE LECTURE**
1216. Oil production by microalga *Chlorococcum* sp RAP-13 on seawater and industrial effluents, Ashok Pandey, International Conference on Green Technologies for Sustainable Water, Hanoi, Viet Nam; October 13-15 (2017) **KEYNOTE LECTURE**

1217. Coupling of mass cultivation of microalgae with industrial wastewater treatment, Ashok Pandey, 8th International Water Association (IWA) Membrane Technology Conference & Exhibition for Water and Wastewater Treatment and Reuse (IWA-MTC 2017), Singapore, September 5-9 (2017) **PLENARY LECTURE**
1218. Biomass to chemicals and fuels, Ashok Pandey, International Workshop on Renewable Energy Materials-2017 (REM17), Manonmaniam Sundaranar University, Tirunelveli; August 28-30 (2017) **PLENARY LECTURE**
1219. Biomass to chemicals and fuels- the concept and application of biorefinery, Ashok Pandey, 2nd International Conference on Biological Waste as Resource 2017 (BWR-2017), Hong Kong; May 25-27 (2017) **PLENARY LECTURE**
1220. Valorization of pineapple post harvest and fruit processing wastes by extraction of high value bromelain and use of residues for ethanol production, AK Mathew, M Christopher, E George, A Abraham, R Sindhu, Ashok Pandey & RK Sukumaran In- Proceedings of the International Conference on Sustainable Energy and Environmental Challenges (SEEC-2017), Mohali, India; February 26-28, p114 (2017)
1221. A novel surfactant assisted transition metal pretreatment of chili post harvest residue for the production of bioethanol, R Sindhu, K Jerina, P Binod, AK Mathew, A Abraham, E Gnansounou & Ashok Pandey, In Proceedings of the International Conference on Sustainable Energy and Environmental Challenges (SEEC-2017), Mohali, India; February 26-28 (2017)
1222. Evaluation of paragrass from Logtak lake in Manipur as feed stock for bioethanol production. Sabeela Beevi U, OA Kumar, DB Sahoo, RK Sukumaran & Ashok Pandey. In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 76 (2016)
1223. Evaluation of various encapsulation methods for improving the shelf-life of phenol degrading bacteria, Lakshmi M Nair, Ashok Pandey & P Binod. In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 118 (2016)
1224. Performance of suspended and immobilized *Lactobacillus brevis* N1E.9.9 strain in batch, fed-batch and continuous processes for 1,3 PDO production, N Vivek, PR Swen, TV Aswathi, Ashok Pandey & P Binod. In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 125 (2016)
1225. A novel high-throughput assay method to screen enantiospecific ketoreductases, P Ranjan, Ashok Pandey & P Binod. In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India, December 8-10, p 132 (2016)
1226. Cellulase production using *Trichoderma reesei* in solid-state fermentation and its application in saccharification of alkali pretreated sorghum stover, ASO Idris, Ashok Pandey & RK Sukumaran, In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 235 (2016)
1227. A biorefinery based approach for the production of ethanol from enzymatically saccharified cotton stalks, M Christopher, A Mathew, K Kumar M, Ashok Pandey & RK Sukumaran. In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 235 (2016)
1228. Adsorptive separation of fermentation inhibitors by molecular modeling, LP Devendra & Ashok Pandey, In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 497 (2016) **BEST POSTER AWARD**
1229. Identification of differentially expressed proteins in response to pesticides in *E. coli*, A Aswathi, Ashok Pandey & RK Sukumaran. In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 520 (2016).
1230. Bioproducts from industrial residues, Ashok Pandey, Asia-Pacific Conference on Biotechnology for Waste Conversion, Hong Kong, December 6-8 (2016) **KEYNOTE LECTURE**
1231. Biomass to fuels and chemicals: Bioconversion of rice straw to biobutanol, LD Gottumukkala, RK Sukumaran & Ashok Pandey, International conference on Challenges in Environmental Sciences and Engineering, Kaohsiung City, Taiwan, November 6-10 (2016) **KEYNOTE LECTURE**
1232. Remediation of industrial wastewaters by cultivating microalgae *Chlorococcum* sp RAP-13, Sabeela Beevi, RK Sukumaran & Ashok Pandey, 12th International Conference on Sustainable Water Environment, National Kaohsiung Marine University, Kakhsung, Taiwan, Novmeber 4-5 (2016) **KEYNOTE LECTURE**
1233. Pentose-rich acid pretreated liquor as co-substrate for 1,3-propanediol production, V Narisetty, M. Christopher, M Kiran Kumar, P Binod & Ashok Pandey, 1st International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability (BIORESTEC), Sitges, Spain; October 23-26 (2016) **BEST POSTER AWARD**
1234. Biomass to biofuels: Production of biobutanol by *Clostridium sporogenes* BE01 using rice straw as substrate, LD Gottumukkala, RK Sukumaran & Ashok Pandey, 11th Asian Biohydrogen and Biogas Symposium (ABBS), Jeju Island, Korea; October 5-8 (2016) **KEYNOTE LECTURE**
1235. Mixotrophic cultivation of *Chlorococcum* sp R-AP13 in acid pretreatment liquor (APL) from lignocellulose

- biorefinery, Sabeela Beevi U, Ashok Pandey & RK Sukumaran, 4th Asia-Oceania Algal Innovation Summit, Wuhan, China; September 18-21 (2016) **KEYNOTE LECTURE**
1236. Sorghum Stover-based Biorefinery, Ashok Pandey, Korean Society for Microbiology and Biotechnology 2016 International Symposium & Annual Meeting, Daejeon, Korea; June 22–24 (2016) **KEYNOTE LECTURE**
1237. Production of second generation biofuels in India: Status and perspectives, Ashok Pandey, International Conference on Renewable Energy- Extension and Outreach, Visva-Bharati, Santiniketan, March 20-21 (2016) **KEYNOTE LECTURE**
1238. *Kluyveromyces lactis* as a cell factory for secreted production of a thermostable phytase from fungal source, MV Ushasree & Ashok Pandey, Indo-US Workshop on Microbial Cell Factories, Indian Institute of Technology, Mumbai, India; March 18-20 (2016) **INVITED LECTURE**
1239. Bioconversion of agro-industrial residues to chemicals and fuels, Ashok Pandey 4th International conference on Sustainability of Municipal Solid Waste Processing Technology, Surat, India; February 18-19 (2016) **INVITED LECTURE**
1240. Industrial enzymes: Production and perspectives, Ashok Pandey, Biosangam- International Conference on Biotechnology, MNNIT, Allahabad, India; February 4-6 (2016) **PLENARY LECTURE**
1241. Production of second generation biofuels from renewable alternative feedstocks, Ashok Pandey, SASM 2016 Biennial Congress, Umhlanga, South Africa; January 17-20 (2016) **PLENARY LECTURE**
1242. Waste to Energy - Production of biobutanol from agro-industrial residues, Ashok Pandey, 7th ISEES International Workshop on Sustainable Energy, Environment & Safety, Lucknow, India, December 21-23 (2015) **ONVITED TALK**
1243. Waste to Energy, Ashok Pandey, International Conference on Recent Developments in Life Sciences, Sri AN Patel PG Institute, Anand, India; December 9-10 (2015) **KEYNOTE LECTURE**
1244. Bioconversion of agro-industrial residues to chemicals and fuels: The case of biobutanol production, LD Gottumukkala, RK Sukumaran & Ashok Pandey, International Conference and 56th AMI Meeting, Jawaharlal Nehru University, New Delhi, India; December 8-11 (2015) **INVITED LECTURE**
1245. A novel sono-assisted acid pretreatment of chili post-harvest residue for bioethanol production, R Sindhu, P Binod & Ashok Pandey, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p 382 (2015) **ELSEVIER BEST POSTER AWARD**
1246. Hydrotropic pretreatment of rice straw using alkyl benzene sulfonates, LP Devendra & Ashok Pandey, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p384 (2015)
1247. Production of endoglucanase from *Trichoderma reesei* and its application in deinking, AS Omar Idris, RK Sukumaran & Ashok Pandey, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p141 (2015)
1248. Challenges in pretreatment for efficient biomass hydrolysis: Understanding lignocelluloses saccharification in the context of structural modifications on pretreatment, S Meena, NK Resna, Ashok Pandey & RK Sukumaran, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p366 (2015)
1249. Detoxification of acidic biorefinery waste liquor for production of high value amino acid, M Christopher, A Murali, AK Mathew, KM Nampoothiri, RK Sukumaran & Ashok Pandey, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p375 (2015)
1250. Towards *Corynebacterium glutamicum* based biorefinery for L-Lysine production, A Murali, KM Nampoothiri, Ashok Pandey & VF Wendisch, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p168 (2015)
1251. Efficient and biocompatible microbial consortium for electronic waste plastic degradation, VC Sekhar, AJ Mohan, T Bhaskar, Ashok Pandey & KM Nampoothiri, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p219 (2015)
1252. Microbial depolymerase facilitated e-plastic degradation, AJ Mohan, VCSekhar, Ashok Pandey, T Bhaskar & KM Nampoothiri, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p227 (2015)
1253. Exopolysaccharide (EPS) production from cassava starch by food grade Lactobacilli, DK Vaikkath, SS Prakash, Ashok Pandey & KM Nampoothiri, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p288 (2015) **BEST POSTER AWARD**
1254. Hydrolysis of pretreated rice straw by an enzyme cocktail comprising acidic *xylanase* from *Aspergillus* sp for bioethanol production, Leya Thomas & Ashok Pandey, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p154 (2015)

1255. A novel onsite enrichment for crude glycerol utilizing and diol producing facultative anaerobic bacteria, V Narisetty, Ashok Pandey & P Binod, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p159 (2015)
1256. Optimization of the production of poly- γ -glutamic acid by *Bacillus* spp., AA Jose, Ashok Pandey & P Binod, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p156 (2015)
1257. Evaluation of oil palm frond (OPF) hydrolysate as a novel substrate for 2, 3-butanediol (BDO) production using selected starter cultures and type strains in aerobic conditions, HS Hakkim, Ashok Pandey & P Binod, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society India, November 22-25, Trivandrum, India; p392 (2015)
1258. Bioprocess optimization for enhanced production of Chitin Deacetylase by an *Aspergillus flavus* isolate under submerged conditions, KNarayanan, P Binod & Ashok Pandey, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p190 (2015)
1259. Biotransformation of specific chiral alcohol by alcohol oxidase, P Ranjan, Ashok Pandey & P Binod, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p170 (2015) **BEST POSTER AWARD**
- 1260.** Production of biobutanol by a novel non-acetone forming *Clostridium sporogenes* BE01 using agro-industrial residues as substrate, LD Gottumukkala, KV Sajna, RK Sukumaran & Ashok Pandey, International Conference on Solid Waste Management, Hong Kong; p69, May 19-23 (2015) **KEYNOTE LECTURE**
- 1261.** Probiotic lactic acid bacteria: Health benefits, Ashok Pandey, International workshop on Advances in Biotechnology, University of Patras, Greece; March 23-24 (2015) **KEYNOTE LECTURE**
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1401. Purification of γ -linolenic acid from *Mucor zychae* MTCC 5420 by urea crystallization method, SU Ahmed, SK Singh, KK Reddy, S Knjilal, RBN Prasad & Ashok Pandey, In- International Congress on Bioprocesses in Food Industries [ICBF-2008] & V BRSI Convention, Hyderabad, November 6-8, p 84 (2008) **BEST POSTER AWARD**
1402. Enzymatic synthesis of banana flavour (isoamyl acetate) by *B. licheniformis* S-86 esterase, S Torres, M Baigori, Ashok Pandey & GR Castro, In- International Congress on Bioprocesses in Food Industries [ICBF-2008] & V BRSI Convention, Hyderabad, November 6-8, p 80 (2008)
1403. Optimization of nutrients to produce fruity aroma by fungi in solid-state fermentation, SC Rossi, ABP Medeiros, LPS Vandenberghe, BMP Pereria, FD Gago, JA Rizzolo, Ashok Pandey & CR Soccol, In- International Congress on Bioprocesses in Food Industries [ICBF-2008] & V BRSI Convention, Hyderabad, November 6-8, p 61 (2008)
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1407. Evaluation of toxic effect with polymeric mixtures of metals ions transition against *Aedes aegypti* (Culicidae) and *Artemia salina* (Artemidae), EJ de Arruda1, LCS de Oliveira, AR Roel1, APL Rossi1, KRA Porto1, AH Arakaki, GN Scheidt, Ashok Pandey & CR Soccol, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 278 (2007)
1408. Molecular cloning, over expression and purification of *manB* (Rv3264c) from *Mycobacterium tuberculosis* H37Rv, S Krishna, KM Nampoothiri, BV Joseph, S Mundayoor & Ashok Pandey, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 271 (2007)
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1411. Influence of medium pH and different salt concentrations on cell growth of *Haematococcus phuvialis* and astaxanthin production, V Ghiggi, LA Silva, CR Soccol, Ashok Pandey & JC Carvalho, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 247 (2007)
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1418. Evaluation of a natural wetland used as leachate post-treatment, KH Preussler, LT Maranhão, MASC Filho, JAM Azevedo, LG Lacerda, Ashok Pandey and CR Soccol, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 215 (2007)
1419. Phytoremediation potential of *Erythrina crista-galli* L, Fabaceae, on petroleum contaminated soil, V Farias, LT Maranhão, EC Vasconcelos, LG Lacerda, JAM Azevedo, Ashok Pandey and CR Soccol, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 214 (2007)
1420. Effect of nutrient sources on enhanced production of polyhydroxybutyrate, Nisha V Ramadas and Ashok Pandey, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 183 (2007)
1421. Production, isolation and monosaccharidic analysis of biopolymer produced by *Agaricus brasiliensis* in submerged fermentation, LFO Lima, CR Soccol, JL Parada, MD Noseda, AG Gonçalves, BM Nascimento, SHabu1 and Ashok Pandey, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 182-183 (2007)
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1430. Cellulases for bioethanol production: Optimization and evaluation of enzyme cocktails for lignocellulose saccharification, Reeta Rani Singhania, GM Mathew, RK Sukumaran and Ashok Pandey, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 142 (2007) **BEST PAPER AWARD ON BIOFUELS BY ELSEVIER SCIENCE, UK**
1431. *Ganoderma lucidum* supplemented with chow alter lipidic metabolism in mice, R Rubel1, HS Dalla Santa, F Leifa, LC Fernandes, Ashok Pandey and CR Soccol, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 134 (2007)

1432. Influence of aeration in citric acid production by solid state fermentation using citric pulp in different bioreactors, C Rodrigues, LPS Vandenberghe, J Teodoro, M Pelissaro, Ashok Pandey and CR Soccol, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 134 (2007)
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1434. Selection and optimization of *Bacillus atrophaeus* inoculum medium and the effect on spore yield and thermal resistance, SRBR Sella, REF Dlugokenski, BP Guizelini, LPS Vandenberghe, ABP Medeiros, Ashok Pandey and CR Soccol, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 132 (2007)
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1442. Production and purification of a solvent resistant esterase *B. licheniformis* S-86, S Torres, M Baigorí, Ashok Pandey and GR Castro, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 107 (2007)
1443. Stability in organic solvents of immobilized lipase on pectin microspheres, L Costas, VEBosio, Ashok Pandey and GR Castro, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 107 (2007)
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1447. Bioethanol from lignocellulosic biomass – Concept of biorefinery, Reeta Rani Singhania, P Binod, GM Mathew, RK Sukumaran and Ashok Pandey, In- International conference on New Horizons in Biotechnology and 4th BRSI Convention, Trivandrum, November 26-29, p 72 (2007)
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1453. Sugarcane and other biomass for bioenergy production, Reeta Rani Singhania, RK Sukumaran, JM Mathew & Ashok Pandey, *International Conference on Bioenergy Asia-2007*, Kyoto, Japan, March 15, p 12 (2007)
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1631. Bioprocess technology for the production of biopharmaceuticals, Ashok Pandey, National symposium on Biosciences: Biotechnology in Health Care, February 14-15, Coimbatore, p. 15 (2003) **PLENARY TALK**
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1651. Design and operation of a rotary bioreactor for the synthesis of glucoamylase in solid-state fermentation using fungal culture. Ashok Pandey and P. Selvakumar. Natl. Seminar on Bioprocessing and Recombinant- DNA Technology. March 27-28, Lucknow, p. 23 (1998) **INVITED TALK.**
1652. Synthesis of Value Added Products by Micro-organisms in Solid State Fermentation. Ashok Pandey. 38th AMI Conf., Dec. 12-14, New Delhi (1997). **INVITED TALK.**
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1657. Packed bed bioreactor system for overproduction of lipase by immobilized *Candida rugosa*. Sailas Benjamin and Ashok Pandey. 37th AMI Conf., Dec. 4-6, Madras, p. 83 (1996)
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