

Research Papers Presented in Conferences

2018

Tanya Garg, Sonali Nayak, Payal Dahiya and AvadhOza, "A review on conversion of sugar into ethanol via fermentation process by *Saccharomyces Cerevisiae*" International Conference On Advances In Science And Technology (ICAST-2018), 4-5 May, 2018, SKIT, Jaipur, Rajasthan, India.

Abhishek Tiwari, AmanPathak and AvadhOza, "A review on STEVIA- The Bio-sweetener: Therapeutic and Medicinal Effects on Human Health with Phyto-pharmaceutical Studies" International Mini-Symposium on Biotechnology in Medical Research (I-BMR, 2018), April 2018, MIET Meerut.

Priyanka Chauhan and AvadhOza, "MicroRNA: Biogenesis and role in cancer" International Mini-Symposium on Biotechnology in Medical Research (I-BMR, 2018), April 2018, MIET Meerut.

TarunPathak ,GauravBansal and AvadhOza "Recent Advances In Novel Drug Delivery System" International Mini-Symposium on Biotechnology in Medical Research (I-BMR, 2018), April 2018, MIET Meerut.

Diksha Sharma, Anjali Sharma and AvadhOza, "Traditional Medicinal Plants As A Natural Anti-Cancer Agents- A Review" International Mini-Symposium on Biotechnology in Medical Research (I-BMR, 2018), April 2018, MIET Meerut.

2017

S. Tyagi, Suman Lata, A. Sahrawat, Purushottum, "Multi-functional enzyme ability of fungal strain, *Aspergillus niger*, screened from dump of pig waste" in Proc. of International conference on Technological Advancement for Sustainable Agriculture And Rural Development (TASARD-India, 2017), jointly organized by Society for Plant Research (VEGETOS), African-Asian Rural Development Organization (AARDO) and AIMT, Amity University, Uttarpradesh (2017).

D.V Surya Prakash and V. Meena, A Review on Cinnamon Species - presented an oral presentation in **AP Science Congress 2017** at Andhra University, Visakhapatnam.

D.V Surya Prakash and V. Meena, A Review on Quercetin Flavonoid - presented an oral presentation in **International Conference on Environmental Biotechnology 2017** at Andhra University, Visakhapatnam.

2016

Suman Lata, A. Kathuria and S. Tyagi,, " Phytate Degradation in Soymilk by free and Immobilized *Zygosaccharomyces bailii* var. *bailii* Phytase, in Proc. of National conference on Biotechnological Perspectives in Healthcare, organized by IMS Engineering College, Ghaziabad, 2016.

S.P.S. Sirohi, V.P. Yadav, Anil Sirohi, S.S.Gaurav and Sandeep Sirohi " Heterosis and combining ability effects on yield and its contributing characters in Pea (*Pisum sativum L.*)" *Innovative Approaches in Applied Sciences and Technologies* On 01-05 February.Pp 09 2016.

2014

Sharma V., Sharma A.K., Takshak A., Agarwal P., Sharma M. Removal of Phenolic Compounds by Tyrosinase from Various Sources in Treatment of Water. Presented in National Seminar on "Recent Advances in Pollution and Abatement" at Meerut Institute of Engineering and Technology (MIET), Meerut (14 - 15 Feb., 2014).

Suman Lata and Ashima Kapoor (2014). Microbial phytases: biological way to reduce phosphorus pollution. *Proceedings of National Seminar on 'Recent Advances in Pollution and Abatement'*, MIET, Meerut, pp 142-149.

Shruti Garg and Suman Lata (2014). Polyhydroxyalkanoates: Role in Combating Environmental Pollution. *Proceedings of National Seminar on 'Recent Advances in Pollution and Abatement'*, MIET, Meerut, pp 149-156.

S. Maheshwari, S. K. Goel, N. Garg. GIS and Disaster Management in Indian Ocean Earthquake/Tsunami Disaster. National Seminar on disaster management, RGEC, Meerut. Presented Poster on the topic Morphological and biochemical characterization of Safed Musli at National conference on Emerging problems and recent advances in Applied Sciences: Basic to Molecular approaches on 08-09, February 2014, C C S University Meerut.

Gyan Datta Tripathi, Sandeep Sirohi, Zoya Javed and Namita Sharma "Recent Advancement in Sugar Mill Effluents Treatment: A Review "Recent Advances in Pollution and Abatement, 15 feb. 2014

Arya, A. and Aggarwal, P. (2014). Effect of cadmium and lead stress on physiological and biochemical parameters of twelve wheat Varieties. 2nd International Conference on Agricultural & Horticultural Sciences, February 03-05, Agrotechnol. 2(4): pp 306.

Suraj Kumar. Biodegradation of Atrazine (Herbicide) by *Pseudomonas* sp. Presented in Environmental Sustainability: Concepts, Principles, Evidences and Innovations-J.N.U., New Delhi on 30 March, 2014. ISBN: 978-93-83083-75-6

2013

Kritika , Shruti, and Pankaj K. Tyagi (2013). Drug delivery and tumor targeting through nanomaterials and its impact to human health. *International Journal of Applied Science and Technology (Special Issue Proceedings of National Seminar Recent Trends and Development in Nano Materials)* 12-13, April, 2013 pp 29-39.

Piyush, Shashank Swaroop, Rajbin Sharma and Pankaj K. Tyagi (2013). Nano weapons an emerging field of Nanotechnology and its future implications. *International Journal of Applied Science and Technology (Special Issue Proceedings of National Seminar Recent Trends and Development in Nano Materials)* 12-13, April, 2013 pp 40-43.

Swapnil Kumar Maurya, Jitendra Kumar Verma and Pankaj K. Tyagi (2013). Nanobiotechnology: a newly emerging path to human welfare. *International Journal of Applied Science and Technology (Special Issue Proceedings of National Seminar Recent Trends and Development in Nano Materials)* 12-13, April, 2013 pp 44-55.

Vikas Sarsar, Pankaj K. Tyagi, Shruti and Abhay Tripathi (2013). Silver nanoparticles properties and its applications. *International Journal of Applied Science and Technology (Special Issue Proceedings of National Seminar Recent Trends and Development in Nano Materials)* 12-13, April, 2013 pp 103-109.

Anami Ahuja, Kapil Dev, Pushpander Kumar, SK Gautam, Pankaj K.Tyagi. Analysis of copper toxicity using biomarkers in Autism. In: 100th Indian Science Congress.(3-7 January 2013).

Paper presented on topic "Impacts of nanotechnology on increased toxicological pollutions in environment" in national seminar on "Biomass Utilization" at FET, Manav Rachna International University, Faridabad sponsored and organized by The Institution of Engineers (India) on 17-18, May, 2013.

Paper presented on topic "Jatropha curcus the possible uses, potential products and current strategies for bio fuel production in India" in national seminar on "Biomass Utilization" at FET, Manav Rachna International University, Faridabad sponsored and organized by The Institution of Engineers (India) on 17-18, May, 2013.

Ashima Kapoor and Hina Iqbal (2013) Efficiency of tannase produced by *Trichoderma harzianum* MTCC 10841 in pomegranate juice clarification and natural tannin degradation. International Journal of Biotechnology and Bioengineering Research, 4 (6): 641-650. (ISSN: 2231-1238)

Ashima Kathuria, Reetu Kumari and Shweta Rana (2013) Natural tannin utilization by tannase-producing strains of *Aspergillus* sp. In Proceedings of National Conference on “Energy, Environment and Biotechnology Research” organized at Mewar Institute, Ghaziabad.

Verma, A., Kumar, G., Joshi, P. and Arya, A. (2013). Antibacterial Activity of silver nanoparticles synthesized by using weeds. National Seminar on Medicinal Plants and their Characterization, Department of Botany Faculty of Science, JamiaHamdard, New Delhi. INDIA. pp 16.

Arya, A., Kapoor, N., Kumar, S., Siddiqui, M. A., Amir, A., Kumar, H., Verma, A. and Kasana, M. S. (2013) Influence of four genomic DNA extraction methods on quantity and quality of DNA extracted from *Stevia rebaudiana* Bert. National Seminar on Medicinal Plants and their Characterization, Department of Botany Faculty of Science, JamiaHamdard, New Delhi. INDIA. pp 17.

2012

Sharma A.K., Singh A., Garg N., Sirohi S., Sharma V. Intellectual Property Rights: Perspectives in HIV/AIDS Management. Presented in workshop on “Intellectual Property Rights and Management for Engineering & Technology disciplines” at NCCE, Israna (March 30-31, 2012).

Pankaj K. Tyagi, Ravi Kant Singh, Smriti Vats, Dharmendra Kumar and Shruti Tyagi., (2012) Nanomaterials Use in Wastewater Treatment. International Conference on Nanotechnology and chemical Engineering (ICNCS'2012) ISBN: 978-93-82242-16-1 December 21-22, Bangkok Thailand pp-65-68 (Paper ID-1312590)

Anami Ahuja, Kapil Dev, Pushpander kumar, SK Gautam, Pankaj K.Tyagi. Role of lead toxicity in Autism. In: National Conference on “Next Gen Biotechnology: Amalgamating Science and Technology.(23-24 November 2012)

S.P. Kaushik, Archana Tyagi and Pankaj K. Tyagi (2012) Air pollution and its impact on human health. Environmental Health and Problems (edd.) Discovery Publishing House, New Delhi pp-78-86

Ashima Kathuria, Pallavi Singhal, Neha Singh, Ankita and Priyanka Ahuja (2012) Immobilization of tannase from *Aspergillus niger* ITCC8394.11 by entrapment method and its natural tannin degradation efficiency. In Proceedings of National Seminar on “Emerging Trends in Biotechnological Research” organized at Mewar Institute, Gaziabad.

Ajay Kumar Sharma, Ajay Singh, Nitin Garg, Sandeep Sirohi, Vaibhav Sharma. Intellectual Property Rights: Perspectives in HIV/AIDS Management at Technical Education Quality Improvement Programme II (TEQIP – II) On ‘Intellectual Property Rights and Management for Engineering & Technology Disciplines’ March 30–31, 2012.

S. Sirohi, V. Srivastava, R. Dutta and N. Mallick “Optimization of cultural and nutritional conditions for accumulation of poly- β -hydroxybutyrate in *Aulosira fertilissima*” Journal of Eco-friendly Agriculture 7(1): 12-16: 2012

Arya, A. K., Kumar, S., Kasana, M. S. (2012) Comparative study of anti-inflammatory and anti- microbial activity of callus culture extracts and fractions of plant parts of *Barleriapronitis* Linn., Department of Botany, Faculty of Science, JamiaHamdard, New Delhi. INDIA.

Arya, A. K., Kumar, S., Kasana, M. S. (2012) Comparative study of Anti-inflammatory activity of *in vitro* and *in vivo* *Kigeliapinnata* from Indian Origin., Department of Botany, Faculty of Science, JamiaHamdard, New Delhi. INDIA.

Arya, A. K., Kumar, S., Kasana, M. S. (2012) Clonal propagation of *Stevia rebaudiana* Bertoni: an economically important medicinal plant., Department of Botany, Faculty of Science, Jamia Hamdard, New Delhi. INDIA.

Marketing strategies of FMCG companies in rural India. Sonali Sharma, Ajay Singh, Vaibhav Sharma Sharma A.K., Singh A., Garg N., Sirohi S. Sharma V. (March 30–31, 2012). Intellectual Property Rights: Perspective in HIV/AIDS Management. Workshop under World Bank for TEQIP-II on Intellectual Property Rights & Management for Engg. & Tech. pp.53-54.

2011

Sirohi S., Srivastava V., Garg N., Sharma A.K., Sirohi S.P.S. A review on Polyhydroxyalkanoates: Production and degradation in waste environment through nanobiotechnology. Presented in “*National Conference on Nanosciences and Nanobiotechnology: Present and future Prospectives*” at MIET, Meerut (November 26, 2011).

Garg N., Sirohi S., Singh A., Sharma A.K., Sirohi S.P.S., Gaurav S.S. Intellectual Property Rights in Nanobiotechnology. Presented in “*National Conference on Nanosciences and Nanobiotechnology: Present and future Prospectives*” at MIET, Meerut (November 26, 2011).

Pankaj K. Tyagi, Naganagouda R. Sunil Kumar Singh and Krunal R. Chopra (2011). Nanosciences and Nanobiotechnology: A present and future prospective” Proceedings of National Conference (LSFI_MIET_NANO_2011) ISBN : 978-81-922112-1-3 (Proceedings Abstract Book)

N. Garg, S. Sirohi, A. Singh, A.K.Sharma, S.P.S.Sirohi and S.S.Gaurav ” Intellectual Property Rights in Nanobiotechnology” Nano-sciences and Nanobiotechnology nov. 2011

S. Sirohi, V. Srivastava, N. Garg , A.K.Sharma and S.P.S.Sirohi “A Review on Polyhydroxyalkanoates: Production and degradation in waste Environment through nanobiotechnology” Nano-sciences and Nanobiotechnology nov. 2011

Samar, S., Agarwal, S., Arnima, Prachi, Sharma, S., Kapoor, N., Arya, A. K. (2011) Physio-biochemical study of cadmium and cobalt toxicity on wheat (*Triticumaestivum* L.) variety PBW373 seedlings., Hi-Tech Horticulture Society, SVBP University, Meerut., 181.

Kumar, S., Arya, A. K., Tomer, P., Kapoor, N., Siddiqui, A., Amir, A., Kumar, H., Kasana, M. S. (2011) *In vitro* micropropagation of *Rhododendron maddenii* Hook: An endangered floricultural plant., Forest Ecology and Environment Division, FRI, Dehradun, UK, India, 71-72.

Kapoor, N., Poonia, N., Arya, A. K., Awasthi, D. K., Vimala, Y. (2011) Impact of iron on germination physiology of fenugreek. National conference on “Landscape Restoration Processes- Challenges and Opportunities., Forest Ecology and Environment Division, FRI, Dehradun, UK, India, 44.

Sharma, S., Kapoor, N., Samar, S., Agarwal, S., Arnima, Prachi, Arya, A. K. (2011) Impact of heat stress on wheat (*Triticumaestivum* L.) variety PBW373 seedlings., Hi-Tech Horticulture Society, SVBP University, Meerut, 182.

2010

Kapoor, N., Chaudhary, A., Arya, A. K., Awasthi, D. K. (2010) Toxic effects of lead on germination and seedling growth of fenugreek., Society for plant research & Department of Botany CCS University, Meerut, 34.

Arya, A. K., Kumar, S., Kasana, M. S. (2010) Studies on rooting on *Pinus roxburghii* Sarg. An *in vitro* study, Kisan (P.G.) College, Simbhaoli (Ghaziabad), 30-31.

Kumar, H., Kapoor, N., Siddiqui, M. A., Amir, A., Arya, A. K., Rajoria, R. (2010) Protease production by *Mucormucedo* in submerged conditions., IIMT College of Medical Science, Meerut.

Arya, A. K., Sangal, S., Kumar, S., Kasana, M. S. (2010) Optimization of *in vitro* microcorm production in *Gladiolus pacifica*., Kisan (P.G.) College, Simbhaoli (Ghaziabad), 30.

Arya, A. K., Kumar, S., Kapoor, N., Siddiqui, A., Amir, A., H., K., Kasana, M. S. (2010) Micropropagation of *Barleriaprionitislinn.*, A potential medicinal plant by axillary bud multiplication., Meerut College Meerut, India.

Singh, N., Verma, R., Arya, A. K., Kumar, S. (2010) *In vitro* regeneration of two varieties of sugarcane (*Saccharumofficinarum*) through callus culture., Kisan (P.G.) College, Simbhaoli (Ghaziabad), 41.

Kumar, S., Tomer, P., Arya, A. K. (2010) Ethics uses of some medicinal plant in Sikkim Himalayan region., Department of Botany, M. L. Sukhadia University Udaipur (Rajasthan) India.

Arya, A. K., Kasana, M. S., Kumar, S. (2010) Effect of plant growth regulators on rooting of *Pinusroxburghii* (an *in vitro* study), Department of Botany, M. L. Sukhadia University Udaipur (Rajasthan) India.

Kapoor, N., Arya, A. K., Siddiqui, S., Amir, A., Kumar, H., Kumar, S. (2010) Effect of Explants source and plant growth regulators on *in vitro* regeneration of *Nicotianatobacum*., Meerut College Meerut. India.

Arya, A. K., Kumar, S., Kapoor, N., Siddiqui, A., Amir, A., Kumar, H., Kasana, M. S. (2010) Callus culture of *Stevia rebaudiana*Bertoni for its development and micropropagation., Society for plant research & Department of Botany CCS University, Meerut, 43.

Kumar, M., Mandre, N. R., Arya, A. K., Kumar, S., Sirohi, S. (2010) Assessment of bioleaching process to remove copper from soil dump of Malanjkhanda copper mine., Kisan (P.G.) College, Simbhaoli (Ghaziabad), 29.

Arya, A. K., Kumar, S., Tomer, P., Singh, K. K., Kapoor, N., Kasana, M. S. (2010) An efficient *in vitro* mass propagation of a medicinally potent plant *Swertiachirayita* via root explants., Meerut College Meerut. India.

Kapoor, N., Arya, A. K., Siddiqui, A., Amir, A., Kumar, H. (2010) A standardized protocol for genomic DNA extraction from *Bombayxceiba* an important ornamental plant, Meerut College Meerut. India.

2009

Sharma A.K., Sharma V.N. HIV/AIDS - related opportunistic infections among people in North India. Presented in "National Conference on Emerging Trends in Life Sciences Research" (ETLSR-2009) at BITS, Pilani (March 6-7, 2009).

2006

Arya, A. K., Arya, S. (2006) *In vitro* regeneration pathways in Chirpine (*Pinusroxburghii*), FRI, Dehradun, 63.

2005

Arya, S., Arya, A. K. (2005) Seasonal variation in *In vitro* responses of Nodal Explants of *Dalbergiasissoo*Roxb., Ahmedabad, 108.

Arya, A. K., Arya, S. (2005) *In vitro* propagation of Chirpine: Somatic Embryogenesis., BSI, Dehradun, 214.

Kant, A., Arya, A. K., Arya, I. D. (2005) Axillary bud break and establishment of culture of *Melocannabaccifera* (Muli Bamboo), CIMAP Lucknow, 70.

2004

N. Garg. Paper presentation at proceeding of the 91st session of the Indian Science Congress, Chandigarh, February 2004 in the section of plant science on “Broad spectrum diagnosis of Cucumber Mosaic Virus in Chrysanthemums based on molecular tools”.

Arya, S., Sharma, R., Arya, A. K. (2004) Multiplication of Tropical Bamboos through Tissue Culture Technology, Jodhpur, 279.

Arya, I. D., Arya, A. K., Arya, S. (2004) Micropropagation of Promising Interspecific F1 Hybrids of Eucalyptus, Chandigarh, 123.