



Dr. SWAPANIL YADAV

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**Residence: 80, Tajukhel,
Shahjahanpur, U.P. 242001.
DOB: 19-09-1985**



Qualification : M.Sc. (Botany), Ph.D. (Botany).

Thesis Title: Effect of hormones and subculturing methods on rate of multiplication during *invitro* micropropagation of Sugaracne

Current Position: Head, Department of Biotechnology and Microbiology, Gandhi Faiz-e-Aam College, Shahjahanpur affiliated to MJP Rohilkhand University, Bareilly.

http://gfcollege.in/faculty-details.php?faculty_id=73

Papers Taught: Biochemistry, Plant Biotechnology, Plant Physiology, Plant Diversity, Cell Biology, Molecular Biology, and RDT.

Text Books: 06

1. Cell- Structure and function
2. Microbiology and Phycology
3. Mycology and Pathology
4. Biochemistry and Cell Biology
5. Ecology and Phytogeography
6. Concise Biochemistry

Research Papers: 25

1. Tiwari, A.K., Yadav, S., S. Tripathi, J. Rastogi, Y.P. Bharti, M. Lal and M. L. Sharma (2008). Performance of Micropropagated, SCYLV infected and healthy plants of sugarcane. Indian Journal of Sugarcane Technology.23 (1&2): 41-44. [ISSN 0970-3233]
2. Khan, M., Yadav, S., Chauhan, N. and Ahmed, A. (2009) Biochemical analysis of antioxidant and anticancerous Broccoli as nutritional food .Life science Bulletin. 6(3): 421-422.[PRINT ISSN 0973-5453, ONLINE ISSN 2321-7952]
3. Saad, S., A. Ahmed, Masood, A., Hussain , M. and Yadav, S. (2009). Effect of vermicompost and nitrogen on plant growth and herbage yield of *Ocimum sanctum* .National journal of life sciences, 6(3) :363-365.[Print ISSN, 0972-995X] NAAS:3.2
4. Swapanil Yadav (2010) .Effect of herbicides on mitotic index of *Vicia faba*. Life science Bulletin. 7 (1):49-50. [PRINT ISSN 0973-5453, ONLINE ISSN 2321-7952]
5. Khan, M., Yadav, S., Chauhan, N. and Ahmed, A. (2010) Use of Red Cabbage (*Brassica Oleracea* var. *capitata* f. *rubra*) As Nutritional Food. Asian Journal of Biosciences. 5(2): 249-250.[ONLINE ISSN : 0976-8343. ISSN : 0973-4899.] NAAS: 3.21
6. Alka Sagar, Swapanil Yadav and M. K. Sharma (2011). Studies on treatment of distillery effluent and effect of different composts on seed germination. Trends in Biosciences. 4(1):66-67. [PRINT ISSN 0974-8431, ONLINE ISSN 0976-2485]NAAS: 2.7
7. Pankaj Chauhan, Aakansha Goswami, Swapanil Yadav, Aquil Ahmad (2011). Multiple Shoot induction from the shoot tip explants of *Cucurbita maxima*. Annals of Horticulture. Vol 4 (2): 193-196. [Print ISSN: 0974-8784. Online ISSN: 0976-4623]
8. Swapanil Yadav, Aquil Ahmad, Jyoti Rastogi and Madan Lal (2012).

- TISSUE CULTURE STRATEGIES IN SUGARCANE (*SACCHARUM OFFICINARUM* L.). International Journal of Pharma and Bio Sciences. Vol. 3 (2): 426-441.[ISSN: 09756299]
9. Swapanil Yadav, Shivangi Sharma and Aquil Ahmad (2012). Action of Plant Growth Regulators on the Seed Germination and Early Seedling of *Vicia flaba*. Advances in Life Sciences. 1(2): 167-168.[Print ISSN: 2278-3849. Online ISSN: 2278-4705]
 10. Swapanil Yadav, Aquil Ahmed, Madan Lal (2012). EFFECT OF DIFFERENT AUXINS AND CYTOKININS ON IN VITRO MULTIPLICATION AND ROOTING OF SHOOT CULTURES IN SUGARCANE. International Journal of Biological & Pharmaceutical Research. 2012; 3(6): 1-5.[ISSN No. : 0976 3651]
 11. Anchal Sharma, Swapanil Yadav, Swasthi Tiwari (2012).CLONING OF VITAMIN D RECEPTOR (VDR) IN pUC19 VECTOR. International Journal of Biological & Pharmaceutical Research. 3(3): 414-416.[ISSN No. : 0976 3651]
 12. Siddhant, Swapanil Yadav and CS Singh (2013). Spawn and Spawning Strategies for the cultivation of *Pleurotus eous* (Barkeley) Saccardo. International Journal of Pharmaceutical and Chemical Sciences. 2(3). 1494-1500.[ISSN 2277-5005]
 13. Siddhant, Swapanil Yadav, Aquil Ahmad and C.S. Singh (2013) Effect of wheat straw components on the yield of *Pleurotus eous*. Int.J.Curr.Microbiol.App.Sci. (2013) 2(8): 221-225.[ISSN:2319-7692(Print), ISSN:2319-7706(Online)] CIF-2.015
 14. Swapanil Yadav and Aquil Ahmad (2013) STANDARDISATION OF CALLUS CULTURE TECHNIQUES FOR EFFICIENT SUGARCANE MICROPROPAGATION. Cibtech Journal of Bio-Protocols. 2 (2).29-32.[ISSN: 2319–3840 (Online)]
 15. Siddhant, Swapanil Yadav and CS Singh (2013). Conversion of Crop Waste in to Pink Oyster Mushroom *Pleurtus eous*. Trends in Biosciences. 6(4): 418-420. [PRINT ISSN 0974-8431, ONLINE ISSN 0976-2485] NAAS: 2.7.

16. Siddhant, Swapnil Yadav, Rupali Mishra and Ruchira Singh (2014) EFFECT OF SUBSTRATE DISINFECTION ON THE BIOLOGICAL EFFICIENCY OF PLEUROTUS SAJOR-CAJU (FR.) SINGER. Plant Archives. 14 (1): 205-209.[ISSN:0972-5210] NAAS:3.05.
17. Swapnil Yadav, Aquil Ahmad and Madan Lal (2014) Effect of inoculums size on rate of multiplication during in vitro micropropagation of sugarcane. Trends in Biosciences. 7(9). 766-768. [PRINT ISSN 0974-8431, ONLINE ISSN 0976-2485] NAAS: 2.7.
18. Swapnil Yadav, Aquil Ahmad, Jyoti Rastogi and Madan Lal (2014) RATE OF SHOOT MULTIPLICATION AS INFLUENCED BY TRIMMING OF PROPAGULES DURING MICROPROPAGATION OF SUGARCANE. Journal of Sugarcane Research. 4(1):82-85.[ISSN: 2249-927X] NAAS:2.59.
19. Swapnil Yadav, Aquil Ahmad, G.N. Gupta and Madan Lal. (2015) RATE OF SHOOT MULTIPLICATION DURING MICROPROPAGATION OF SUGARCANE AS AFFECTED BY SUBCULTURING PERIOD. Journal of Sugarcane Research. 5(1).74-76 [ISSN: 2249-927X] NAAS:2.59
20. Swapnil Yadav and Aquil Ahmad. (2016).Comparative performance of micropropagated and conventional plants of Sugarcane. Int. J. Adv. Res. Biol. Sci. 3(10): 52-54. [ISSN: 2348-8069]
21. Sharandeep Kaur, Noor Fatima and Swapnil Yadav (2017). Antibacterial Activity of Different Extracts of Black Pepper. Int Research Journal of Advanced Engineering and Science. 2(1). 172-173.
22. Swapnil Yadav (2019). Effect of Shaking on Multiplication and Growth of Shoot Cultures in Sugarcane. Journal of Gujarat Research Society. 21(7) 407-409. [UGC Care Listed]

Seminars/ Conferences: 21

International

1. International Symposium on Plant Biology and Environmental: Changing Scenario, organized by Indian Botanical Society at Allahabad between Dec. 17-19, 2008.
2. International conference on Current Trends in Biotechnology and Implications in Agriculture, SVBPUA&T, Meerut Feb 19-21, 2009.
3. International conference on “Issues for climate change, land use diversification and biotechnological tools for livelihood security” organized by Hi-Tech Horticultural Society, Meerut during 8-10 October, 2011 at SVBPUA&T, Meerut.

National

4. National Conference on New Biology and Plant Engineering, JNU, Jaipur, Rajasthan. Dec. 1st and 2nd , 2009.
5. National conference on Strategies for management of animal resources and their role in rural upliftment at Arya Mahila Degree College, Shahjahanpur. 17-1 Feb, 2010.
6. 2nd National conference Biotech world 2010: Start up with Biotechnology. DAMS Kanpur. 20th February 2010.
7. National conference on Challenges in Life sciences with Changing Environment. Sacred heart degree college, Sitapur. 20-21st February, 2010.
8. National Conference on Recent Trends In Environmental Biotechnology For Sustainable Development. Kisan (P.G.) College, Simbhaoli (Ghaziabad). March 28, 2010.
9. National seminar on management of environmental pollution for sustainable energy production. M.J.P.Rohilkhand University, Bareilly. 10-11th April 2010 .

10. National Symposium and Bioinformatics workshop organized by Interdisciplinary Biotechnology Unit, Aligarh Muslim University, Aligarh. March 7-9,2011.
11. National symposium on Biodiversity and Food Security: Challenges and Devising Strategies organized by DSASRD and IIPR, Kanpur, December 10-11,2011.
12. National Seminar on “Role of Biosciences to Save Environment” Kisan PG College, Bahraich. 6-7 October, 2012.
13. National Conference on Brass Metal Works, Health and Environment(Sponsored by ICSSR)at MMDCollege, Moradabad.)2-3 May , 2015.
14. National Seminar on “Promotion of Ethics and Human Values” G.F. College, Shahjahanpur, 1 February, 2016.
15. National Seminar on “Role of Agriculture in the Development of Rural India: Its challenges and Possibilities in 21st Century” .Government Degree College. Pihani, Hardoi. 19-20 February, 2016.
16. National Seminar on “Empowerment of Indian Agricultural Sector and The Law. Swami Shukdevanand Law College, Shahjahanpur. 27-28 February, 2016.”
17. National Seminar on “Advances in Plant Science Frontier: Development and Environment”, organized by Department of Botany, Gandhi Faiz-e-Aam College, Shahajahanpur, U.P., 26th to 27th Novemnber, 2016.
18. National Conference on “Bio-degradation of Wildlife, Environment and Biodiversity”(B-WEB-2017), organized by Department of Zoology, Gandhi Faiz-e-Aam College, Shahajahanpur, U.P., 19th to 20th March, 2017.

19. Symposium “Bioepoch-2017” organized of School of Biotechnology of Jawaharlal Nehru University, New Delhi, 23rd-24th March, 2017.
20. National Conference on Frontiers in Environment , Health and Biosciences organized by Institute of Biosciences and Biotechnology, CSJM Unversity, Kanpur, U.P., 16-17 Feb, 2019.
21. National conference on Recent Developments in Nanosciences and Green Chemistry organized by Departement of Chemistry, G.F. College. Shahjahanpur 1-2 Feb, 2020.

Faculty Development Programmes: 02

1. Two week Faculty Development Programme on ‘Climate Smart Governanane’ June 25-July06, 2018. Indian Institute of Public Administration, New Delhi.
2. Two week online workshop on ‘ Comprehensive e-Learning to e-Training guide for Administrative Work’. May 25-June 05, 2020. MHRD, PMMMNMTT, Ramanujan College, University of Delhi.

Training Programmes: 02

Three months training on “Rapid seed multiplication in sugarcane through tissue culture technique” in Tissue Culture Division of U.P. Council of Sugarcane Research, Shahjahanpur. 2008

UGC Training Programme on Transformation and Molecular Characterization of Medicinal Plants and animals.Jamia Hamdard, New Delhi 16-21 December, 2010.

Hindi Articles:

1. Agricultural article in Hindi “Doosri Harit Kranti Ka Sapna” published from Ghaziabad on front page of news paper “Hind Kranti” and Magazine “INDIA ALIVE” Jan 2010: 39.

2. Article on sugarcane research “Ganna fasal utpaadan anusandhaan karya evam sambhaavnaye ” published in yearly magazine of IIT-Delhi “JIGYASA-2009”.page 125-126
3. Hindi article “Paryavaran Sanrakshan Me Yuvaao Ka Yogdaan” published in newspaper of IIT-Delhi.
4. Hindi article “Pehli Kratrim Koshika” published in a Magazine India Alive (July 2010).
5. Hindi article “NAYE RISHTO KI KHOJ” On Human Microbiome Project published in a Magazine India Alive (AUG 2010).
6. Hindi article “Ganne se ethanol ka utpaadan” in Science Times news paper.
7. Hindi article “Bharat ki Ummiden-Naye Urja shrot” in India Alive Magazine.
8. Hindi article “Jal Sanrakshan Keval Sarkari Gatividhi Nahi” in Harnandi Kahin.
9. Hindi article “Gene Se Anant Ka Safar” in Umang Magazine.
10. Hindi article “Ameriki anusandhan kayal hai gay ke doodh kee pratirodhak chhamta ke” in Dialogue India Magazine, New Delhi. May (2017). Page 29.

CALEM Leadership Training: 01

20 July 2017-26 July 2017 at G.F. College, Shahjahanpur

Awards:

1. Best Paper Presentation Award in National Seminar on “Role of Agriculture in the Development of Rural India: Its challenges and Possibilities in 21st Century”.Government Degree College. Pihani, Hardoi. 19-20 February, 2016.
2. FJTBS- Fellow of Journal of Trends in Biosciences. 2014.

3. F.S.L.Sc.- Fellow of Society of life sciences for the contribution in the field of Life Science. 2011.
4. Member of Local Organizing committee in National symposium on Biodiversity and Food Security: Challenges and Devising Strategies organized by DSASRD and IIPR, Kanpur, December 10-11,2011.
5. Best Paper Presentation Award in National Conference on Recent Trends in Environmental Biotechnology for Sustainable Development. Sponsored by UGC and DBT. Kisan (P.G.) College, Simbhaoli (Ghaziabad). March 28, 2010.
6. “Fazlur Rahman Khan Student award” in 2008 awarded by Honorable Mr. Arjun Singh, Minister for Human Resource and Development, Indian Government.
7. ‘Prithvi Mitra’ prize by Earth Matters Foundation, New Delhi.
8. Best student of college for the year of 2006 by Honorable Mushirul Hasan, Vice-Chancellor of Jamia Millia Islamia University, New Delhi.
9. Best student of college for the year of 2007 by Honorable Rakesh Dhar Tripathi, Minister of Higher Education, Uttar Pradesh.
10. “UJAAS award -2008” from International literary society Rajeshwari Prakashan, Madhya Pradesh.
11. “Yadav Gaurav Samman” 2008-For the contribution in the field of literature

Young Scientist Award: 01

1. National Conference on Frontiers in Environment , Health and Biosciences organized by Institute of Biosciences and Biotechnology, CSJM Unversity, Kanpur, U.P., 16-17 Feb, 2019.

