

**COLLEGE OF BIOTECHNOLOGY
SARDAR VALLABHBHAI PATEL UNIVERSITY OF AGRICULTURE &
TECHNOLOGY, MODIPURAM, MEERUT (U.P.)-250110**

BIODATA

1. Personal data of the applicant:

- i. **Name** : AKASH TOMAR
 ii. **Designation** : Professor
 iii. **Department** : Department of Recombination Techniques (Div. of Pl. Biotech),
 iv. **College** : College of Biotechnology, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut – 250 110 (U.P.)
 v. **Date of Joining as faculty** : March 24, 2005
 a). In the university : March 24, 2005
 b). On present post : March 24, 2021

2. Field of Specialization : Mol. Biol. & Biotechnology.

3. Educational Qualifications:

Exam/Degree/Diploma	Institute/Board/University	Year
PhD ²	G.B.PantUniv of Agric. & Tech. Pantnagar, U.K, INDIA. Pin-263145	2005
M.Sc ¹ .	G.B.PantUniv of Agric. & Tech. Pantnagar, U.K, INDIA. Pin-263145	1998

4. Awards/ Recognition:

Award/ Recognition.	Awarding Organization (place / country)
GATE - Graduate Aptitude Test in Engineering,	National Coordination Board (NCB)-GATE, Department of Higher Education, Ministry of Human Resource Development (MHRD), Government of India.
NET (National Eligibility Test)	UGC-CSIR
CSIR-SRF (Three Years)	CSIR

5. Publications:

S.	Author	Year	Title	Journal with Vol., Nos. Page(s)
1.	Sanjay Khan, Purushottam, AkashTomar, and ShefaliPoonia.	2014	Study of Isolation and Characterization of E.coli from Food and Environment samples and its Antibiotic sensitivity profile.	VEGETOS . Vol. 27 (3): 117-120
2.	Nikita, Purushottam, AkashTomar, R. Kumar, B.P. Dhyani, L. Prasad and S. Poonia.	2014	Isolation, Biochemical characterization and preparation of Biofertilizer using Rhizobium strain (Vignamungo)	J. of Plant Development Sciences. (JPDS) Vol-6 (4): 505-509.
3.	Amit Singh, R. Kumar, Purushottam, AkashTomar, Pankaj Chauhan, Vivek.	2014	Genetic Variability Studies in Aloe vera using RAPD markers.	J. of Plant Development Sciences. (JPDS), Vol-6 (4): 525-528.
4.	Neha Singh, R. Kumar,	2015	Molecular Marker based Genetic Diversity Analysis of	Prog. Agric. 15 (1): 142-147.

	AkashTomar, Purushottam, Jitender Singh and S. Singh.		International Rice (<i>Oryza sativa</i> L.) Germplasm.	
5.	Siddarth N. Rahul, Khilaki, K, Sagar, S, Chaudhary, S, Kumar, Sudhir., Vihan, Nitika and Tomar, Akash.	2015	Challenges in postharvest management of fungal disease in fruits and vegetables-A review.	South Asian Journal of Food Technology & Environ, 1(2):126-130. ISSN No. 2394-5168 (Print),
6.	Chaudhary, S., Sagar, S., Kumar, M., Sengar, R.S. and Tomar, A.	2015	The Use of Enzymes in Food Processing- An Overview.	South Asian Journal Food Technol& Environ, 1 (3&4):190-210.
7.	Prasad, L., Chaudhary, S., Sagar, S. and Tomar, A.	2016	Mycoparasitic capability of diverse native strains of <i>Trichoderma</i> spp. against <i>Fusariumoxysporum</i> .	Journal of Applied and Natural Science (JANS) 8 (2): 769 - 776
8.	Chaudhary, S., Sagar, S., Tomar, A., Sanger, R.S. and Kumar, M.	2016	Banded leaf and sheath blight: a menacing disease of maize (<i>Zea mays</i> L.) and its management.	Journal of Applied and Natural Science (JANS) 8 (3): 1720 - 1730
9.	Lalit Kumar, Samsher, Suresh Chandra, GR Singh, Vaishali, Puroshottam, and AkashTomar	2016	Production and physico-chemical quality of wine from mango	South Asian Journal Food Technol& Environ, 2(1):321-329.
10.	SagarSushma, Sengar R. S, Kumar Ashok, Singh Ramji, Chand Pooran and AkashTomar	2016	Morphological, Cultural and Physiological Variations among Isolates of <i>ColletotrichumFalcatum</i> went That Cause Red Rot Disease of Sugarcane	Biotech Today (2016), 6(2): 59-67
11.	Siddarth N. Rahul, Kamal Khilari, C.S. Prasad, Ramji Singh, Prashant Mishra and AkashTomar	2016	Effect of native <i>Trichoderma</i> isolates on plant growth of Rice (<i>Oryza sativa</i> L.) Plant	South Asian Journal Food Technol& Environ, (2016) 2(2): 408- 412.
12.	Yogendra Singh, Samsher, Suresh Chandra, AkashTomar, Ankit Singh and Pinkoo Singh	2016	Effect of Enzyme Treatment on Physicochemical Properties of Guava Wine Produced using <i>S. Cerevisiae</i> 1035 Strain and Native Strain	J. of Pure And Applied Microbiology 10(4): 3151-3154.
13.	Saurabh Singh Yadav, Manoj Kumar Yadav, R. S Sengar, Ramji Singh, AkashTomar and Pooran Chand	2017	Physio-Biochemical Alterations under Moisture Deficit Stress at Different Growth Stages of Rice (<i>Oryza sativa</i> L.)	Biotech Today (2017), 7(1): 77-81
14.	Purushottam, Shruti, TyagiChavi, TomarAkash, Kumar Ravinder, Dhyani B.P., PooniaShefali	2017	Isolation and Biochemical Characterization of <i>Rhizobium</i> from root Nodules of <i>Mungbean</i> (<i>Vignaradiata</i>)	Vegetos (2017), 30 (Sp. Issue): 505-507.

15.	SagarSushma, Sengar R. S, Kumar Ashok, Singh Ramji, Chand Pooran and AkashTomar	2017	Improvement in Growth, Yeild and Quality of Sugarcane induced by <i>Trichodermaharzianum</i>	Prog. Agric. (2017) 17(2): 231–238
16.	AnkurTyagi, Vijay Kumar, Purushottam and AkashTomar	2017	Isolation, Identification, Biochemical and Antibiotic Sensitivity Characterization of Rhizobium Strains from Vignamungo (L) R Wilczek in Muzaffarnagar, Uttar Pradesh, India.	Int. J. Curr. Microbiol. App. Sci. (2017), 6(12):2024-2035.
17.	Saurabh Chaudhary, Mukesh Kumar, R. S Sengar, Pooran Chand Mishra Prashant and AkashTomar	2017	Antioxidative response in susceptible and resistant cultivars of <i>Oryza sativa</i> L. in response to infection by <i>Rhizoctoniasolani</i>	South Asian Journal Food Technol& Environ, (2017) 3(1):507- 515.
18.	Saurabh Chaudhary, Mukesh Kumar, R. S Sengar, Pooran Chand Mishra Prashant and AkashTomar	2018	Effect of Nutrient Status, Temperature and pH on Mycelial Growth, Sclerotial Production and Germination of <i>Rhizoctoniasolani</i> isolated from Paddy fields	Prog. Agric. (2018) 18(1): 82–91
19.	Singh Reevea, TomarAkash and Prasad Lakshman	2018	Bio-efficacy of isolated local microbial strains against <i>Fusariumoxysporum</i> of Tomato	Annals of Plant Protection Sciences (2018), 26 (1): 132-136.
20.	Jyoti Singh, Bhakti Chaudhary, AkashTomar and S.K. Bhatnagar	2018	Phytochemical Analysis of Botanical Extract From Spices (<i>Clove, Cinnamon, Thyme</i>) and Weeds (<i>Parthenium& Calotropis</i>) and Effect On Plant Pathogenic Fungi	Prog. Agric. (2018) 18(2): 207–212.
21.	ShilpiYadav, Manoj Kumar Yadav, Sengar, R.S., Vaishali, AkashTomar and Pooranch	2018	Identification and Molecular Characterization of Drought Tolerance Gene and Screening of Drought Tolerant Rice Varieties	Int. J. of Information Research and Review (2018), 5(05): 5426-5429
22.	MehulMisra, Ravindra Kumar, B.P. Dhyani, ShefaliPoonia, Purushottam and AkashTomar	2019	Isolation And Characterization of Native <i>Azotobacter</i> Isolates From Rhizospheric Soil Samples	J. of Plant Dev. Sci. (2019), 11(8): 453-458.
23.	Jyoti Singh, S. K. Bhatnagar and AkashTomar	2019	Study on fungicidal effect of plant extracts on plant pathogenic fungi and the economy of extract preparation and efficacy in comparison to synthetic/chemical fungicides	J. of Applied and Natural Science (2019) 11(2): 333- 337
24.	Ashwani Kumar, Swati Sharma, NandLalRai, AkashTomar, Pushpendra Kumar, RS Sanger, SK	2019	Callus induction and efficient plant regeneration in wheat (<i>Triticumaestivum</i> L.) through mature embryo culture	Int. J. of Chemical Studies (2019), 7(4): 1445-1450.

	Singh, Vaishali, Mukesh Kumar and MK Yadav			
25.	Chaudhary Sorabh, SagarSushma, Kumar Mukesh, LalMehi, Kumar Vinay and TomarAkash	2020	Molecular cloning, characterization and semiquantitative expression of endochitinase gene from the mycoparasitic isolate of <i>Trichodermaharzianum</i>	Res. J. Biotech,(2020) Vol. 15 (4), pp 40-56
26.	Shambhavi, Ravindra Kumar, AkashTomar, Purushottam, Jitender Singh and Shishu Pal Singh.	2020	Isolation and Identification of <i>Bacillus</i> Species from Soil for Phosphate, Potassium Solubilisation and Amylase Production	Int. J. of Curr. Microbiol. & App. Sci. (2020) 9(5): 415-426 Accepted, Apr 20
27.	S. Chaudhary, S. Sagar, M. Lal, A. Tomar, V. Kumar and M. Kumar.	2020	Biocontrol and growth enhancement potential of <i>Trichodermaspp.</i> against <i>Rhizoctoniasolanica</i> causing sheath blight disease in rice	Journal of Environmental Biology (2020). Vol. 41: 1034 -45 Accepted, Apr 20
28.	ShreshthaSaxena, Ravindra Kumar, AkashTomar, Jitender Singh, Purushottam and B. P. Dhyan	2020	Isolation, Biochemical Characterization and Potassium Solubilization Efficiency of Different Microbial Isolates	Int. J. of Curr. Microbiol. & App. Sci. (2020) 9(6): 2667-2680 Accepted, May 20
29.	Jaygendra Kumar, Mukesh Kumar, Akash Tomar, Vaishali, Pushpendra Kumar and Puran Chand	2021	Morphological and Molecular Characterization of <i>Trichoderma</i> spp. from Rhizosphere Soil and Their Antagonistic Activity against <i>Fusarium spp.</i>	International Journal of Plant & Soil Science. IJPSS 33(19): 100-112,
30.	Ankur Prakash Verma, Hem Singh, Gaje Singh, D. V. Singh, Ramesh Singh and Akash Tomar	2021	Influence of Weather Parameters on Population Dynamics of Major Insect Pests of Basmati Rice	J. Exp. Zool. India Vol. 24, No. 2, pp. 1275-1280
31.	Ujjwal Sirohi, Swati Sharma, Mukesh Kumar, R. S. Sengar, L. K. Gangwar, Akash Tomar, Vyankatesh Dhanraj Bagul and M. K. Yadav	2021	An Effective Protocol for Carnation (<i>Dianthus caryophyllus</i> L.) cv. 'Geolei' Explants Sterilization for Successful Callusing and Shoot Regeneration	International Journal of Environment and Climate Change. IJECC 11(11): 230-238
32.	Harshit Kumar, B.P. Dhyan, U.P. Shahi, Ashok Kumar, Vivek, Akash Tomar and Anand Singh	Sep 2021	Effect of Zinc and Vermicompost on Zinc content, uptake and yield of late sown wheat (<i>Triticum aestivum</i> L.)	Journal of the Indian Society of Soil Science (JISS) 69 (3): 339-343
33.	Kavindra Singh, Suresh Chandra, Akash Tomar, Samsher, Neelash Chouhan and MK Yadav	Nov 2021	Determination of selected pesticide residue in sugarcane (<i>Saccharum officinarum</i>) juice by liquid chromatography mass Spectrometry (QuEChERS)	The Pharma Innovation Journal 2021; 10(12): 354-357

34.	Priyanka Yadav, Kamal Khilari, Ramesh Singh, Gopal Singh, DV Singh and Akash Tomar	2022	<i>In-vitro</i> response of cow urine as potential Fungitoxic against soil borne plant pathogens of chickpea (<i>Cicer arietinum</i> L.)	The Pharma Innovation Journal 2022; SP-11(08): 1923-1926
35.	S. Chaudhary, S. Sagar, M. Lal, A. Tomar, J. Kumar, V. Kumar and M. Kumar.	Jan 2023	Morpho-genetic variability of <i>Rhizoctonia solani</i> population causing sheath blight disease in rice (<i>Oryza sativa</i> L.)	Journal of Environmental Biology (2023). Vol. 44: 108-121
36.	Akansha Singh, B. P. Dhyani, Akash Tomar, Vipin Kumar, Arbind Kumar Gupta and U. P. Shahi	Feb 2023	<i>In-vitro</i> Phosphate Solubilization by Native Phosphate Solubilizing Microbes in Soils of Northern Region of India	International Journal of Bio-resource and Stress Management. IJBSM (2023), 14(2):258-267