BRIEF BIO-DATA

Dr. Ashok Laxmar Pharande											
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			of Research						
			&						
			Soil Specialists						
			Total 17 Years 5 Mont						
6	Educational				Vesse	Downstien			
	Experience (35 Years)	:	Professor, Soil	Place of Work	Year 2013 to 2017	Duration 13 Years 8 Months			
	1 cars)		Science and Agril.	Solapur, Kolhapur, Pune	2013 (0 2017	15 Years o Monuis			
			Chemistry	and MPKV,					
			Girchinstry	Rahuri					
			Associate	Dept of Soil	1997 to 2003	5 Years 9 Months			
			Professor (Soil	Science and Agril.					
			Science and Agril.	Chemistry,					
			Chemistry)	MPKV, Rahuri					
			Assistant	Dept. of Soil	1984 to 1997	12 Years 9 Months			
			Professor (Soil	Science and Agril.					
			Science and Agril.	Chemistry,					
			Chemistry)	MPKV, Rahuri					
			Senior Research	Agril. Research	1981 to 1984	3 Years 6 Months			
			Assistant	Station, Jalgaon	m . 1	25.77			
	Publication				Total	35 Years 8 Months			
7	Publication		Research papers	: 95					
			Tech. Publications	: 100					
			Extn. Publications		97, Booklets: 13, Folders 15				
			Books	: 5	77, DOORICES. 15, 1	DOOMIGIS, 19, LOINGIS 19			
			Book Chapters	: 19					
			Radio talk : 45 (Jalgaon, Pune, Solapur, A			Ahmednagar)			
			TV programmes : 15 (Mumbai Doordasrshan, Annadata, Hyd						
8	Students guided	:	M. Sc. (Agri.) – 22						
	3		Ph. D. – 11						
9	Advanced	:	International:- 02	National:-09					
	Trainings								
	attended								
10	Contributions in	:				tor of Instruction, I am,			
	Education					ion and execution of			
			educational activities in 10 Constituent and 63 Affiliated UG and PG Colleges and 86 Agril. Technology Schools.						
					for revision of B	Sc. (Hons) Agriculture			
						ittee. Further, as Dean,			
						plementation of revised			
			syllabus of different degree programmeviz., Agriculture, Horticulture, Agril. Engineering, Food Science and Technology, Agril. Biotechnology and Agril.						
			Business Management in the jurisdiction of MPKV, Rahuri.						
			3. I have long teaching experience of 32 years as Assistant Professor, Associate						
			Professor and Professor.						
			4. As a Technical and Administrative Head of the prestigious World Bank aided						
			project on Centre of Advanced Agriculture Science and Technology "Climate						
			Smart Agriculture and Water Management" amounting to Rs. 20 Corers						
			supported by ICAR-NAHEP, New Delhi. I am instrumental in:						
			 Development of Teachers Assessment Mobile App. Starting of module based PG Diploma on Climate Smart Agriculture and 						
			Water Management.						
			➤ Initiated Post-Doctoral Research on Climate Smart Agriculture and Water						
				t for the first time of S					
						t in Buchkewadi, Dist.			
						angan, Shenit etc. in			
			Ahmendnag		,	<u> </u>			
			9		AU's of Maharashtı	ra State deployed 20 PG			
				foreign training at Asi					

- 5. Implementation of Student READY and Experiential Learning Programme in various degree programme for motivation and creation of interest among final year students towards Entrepreneurship and Skill Development.
 - 6. Prepared the norms for establishment of new Agriculture and Allied Colleges and evaluation and grading of agriculture and allied colleges for maintaining high educational standards in the affiliated colleges of Maharashtra.
 - 7. Submitted proposal for starting new Constituent Colleges at Muktainagar, Halgaon, Peth and Malegaon and successfully started new colleges at above locations except Peth.
 - 8. Submitted proposals for establishment of North Maharashtra Agricultural University at Kashti, Malegaon
 - 9. Established virtual classroom facility at Central Campus, MPKV, Rahuri from the funds provided under NAHEP component II A.
 - 10. As Chairman, DICC implemented state level comprehensive educational policy decisions form year 2017.
 - 11. Under COVID-19 pandemic situation, implemented and conducted final year UG and PG exams online and displayed the result of the same in time.
 - 12. Played insistentrole in seeking professional degree status to Agril. Business Management by making deliberation at ICAR and State Government level.
 - 13. Played significant role for seeking accreditation to the University for the period of five years (2018 to 2023) by coordinating and making presentation in front of Peer-Review Team of accreditation board.
 - 14. Contributed for increasing the All India Ranking of University from 35th to 24th place (2018 to 2019)
 - 15. Sought accreditation for College of Agriculture, Kolhapur for the period of 2008 to 2013 in the capacity of Associate Dean, College of Agriculture, Kolhapur.
 - 16. Upgraded and created advance laboratory facilities with state of arts equipments at Pune, Kolhapur and PGI, MPKV, Rahuri.
 - 17. Developed three years English medium Agriculture Polytechnic syllabus under my Chairmanship.

11 Contributions in Research

- 1. Actively worked as a Chief Scientist and Associate Director of Research and Soil Specialist at Zonal Agril. Research, Station, Solapur and successfully implemented and executed 12 National Agril. Technical Projects of Government of India.
- As a result of positive co-ordination, leadership and proper execution, the All India Coordinated Research Project for Dryland Agriculture, Solapur (MPKV, Rahuri) was awarded as a Centre of Excellence by ICAR and received Rs. 25.00 lakhs towards Centre for Support during 2005.
- 3. Initiated research on Clay mineralogy in the Dept. of Agril. Chemistry and Soil Science. Established the predominance of iron rich Beidelite species of Smectite in Vertisols of Maharashtra.
- 4. Established and identified the pedogenic formation of palygorskite at expense of smectitein irrigation indeed saline-sodic shrink swell soils of Maharashtra within a four decades after introduction of irrigation. These post-doc research findings were also presented in International Clay Mineralogical conferences organized by Clay Mineral Society of America, Chicago and European Clay Mineral Society Germany during the year 2000. Delivered series of seminars to staff and students of Macaulay Institute and Dept. of Plant and Soil Science, Univ. of Aberdeen, Scotland, U.K.
- 5. Established very low content of K bearing minerals in Vertisols of Maharashtra and amount of fine clays and course clays control the mechanism of K release, fixation and supply parameters in Vertisol.
- 6. The results of potassium research suggested that exploitation of non-exchangeable soil K source in Vertisol if continued for long period with intensive cultivation without inclusion of K fertilizer it will lead to large scale deficiency of K in future (Findings were awarded by West Zone award for Ph. D. by Indian Society of Soil Science, New Delhi in 1994).
- 7. The different forms of K, K release, K fixation and K availability were assessed for Vertisol and Alfisol soil series of Western Maharashtra.

			8. Identified wheat variety N-8223 for good milling and baking purpose.
			9. Released 26 recommendations on Soil Science and Dry-land Technologies for the
			use of farmers under scarcity zone.
12	Contributions in Extension Education	:	 Establishment of Farmers-Scientist forum at Solapur, Kolhapur and MPKV, Rahuri. Organized field demonstrations through Farmers-Scientist forum.
	Education		3) Conducted 261 FLDs on Paddy, Pigeon Pea, Soybean, Oil seeds and Pulses at Dhadgaon, Nandurbar, Tryambkeshwar and Junnar through Tribal Sub Plan project.
			 4) Conducted "KisanAdharSammelan" during 2017-2020 at Central Campus, MPKV, Rahuri and constituent colleges for Transfer of Technology to the farmers. 5) Successfully organized the Golden Jubilee Celebration of College of
			Agriculture, Kolhapur (2012-13)
13	Awards and Recognitions	:	1. National West Zone Award of Indian Society of Soil Science, New Delhi for the year 1994 for best Ph. D. research in West Zone of India on "Potassium Fertility in relation to Soil Mineralogy of Some Important Vertisol soil Series of Maharashtra"
			2. 'Commonwealth Academic Staff Fellowship for Post Doctoral Research' was awarded by the Commonwealth Scholarship Commission, United Kingdom during 1999-2000. The PDF work was done on "Soil Mineralogy of Irrigation Induced Saline-Sodic Shrink Swell Soils of Maharashtra, India".
			3. Recipient of J. N. TataEndowment Award-1999
			4. Awarded Teacher Fellowship under faculty improvement programme for Ph. D. course work at IARI, New Delhi.
			5. Awarded the 1 st prize for best poster presentation at State Level Seminar of Rahuri chapter of Indian Society of Soil Science on "Soil quality for sustainable crop production" held at MPKV, Rahuri on 12 th January, 2004.
			6. Received Team Award as Centre of Excellence for AICRP on Dry-land Agriculture, Solapur by ICAR, New Delhi during 2005.
			7. Awarded the 1 st prize for best poster presentation in 7 th Agril. Science Congress held at College of Agriculture, Pune during 16-18 th February, 2005.
			8. Awarded D. G. Kulkarni Best KrishiLekhanPuraskar – 1 st Prize by Baliraja publication for popular article in 2005.
			9. Awarded the 1 st prize for best poster presentation in the Seminar on 'New Dimensions in Agricultural Education' held at College of Agriculture, Pune during 2006-07.
			10. Awarded the 1 st prize for best poster presentation at 73 rd Annual convention of the Indian Society of Soil Science held at Bangalore in 2008.
			11. Awarded "KrishiBhushanPuraskaar' for Women's Development by Public Welfare Foundation, Kolhapur -2011.
			12. Received Best Paper Award on "Silicon Nutrition in Sugarcane" in International conference on Novel Innovations and Strategies for Boosting Productivity in Agriculture at BHU, Varanasi. (November, 2014)
			13. Received National Team Award for Automatic Drip Irrigation System under Digital Farming Technology in Agriculture Innovation Summit-2020.
14	Honors	:	1. Honored by University Court, University of Aberdeen, Scotland, UK as a 'Research Fellow' in the Department of Plant and Soil Science during 1999-2000.
			2. Elected as a Councillor of the West Zone of the Clay Minerals Society of India in 1998 and 2000.
			3. Elected as a Member of Executive Committee of Indian Society of Dryland Agriculture, Hyderabad for the year 2004-06.
			4. Nominated as a Member of the Management committee of Central Research Institute for Dry-land Agriculture (CRIDA), Hyderabad, by Hon'ble Union Minister of Agriculture and President of ICAR Society for the year 2004 to 2007.

			5. Elected as a year 2005 and		he Council of India	n Society of Soi	Science for the	
15	Member of Committees		 Nominated Scientists at Scientists at Scientists at Scientists at Institute, Put Nominated Pomegranat Nominated DG, ICAR of Committee Nominated Members in BMF), Mict Coordinaton autonomous Member, Member, Member, Members, Member of Pune 	as a Member of CRIDA, by Donber for Reseaune. as a Member of Solapur in 20 as an Expert in by NRC for Gras an Expert Marthe discipline Quinquennial Fronutrient for the Gras institute of Gotalanashtra States	n District level coming Departmental Propertion of Departmental Propertion of Section 1 of Secti	motion Committed Soil Science in Verenent Committed oil Science to act of Soil Science of on 2006-07. Committee of Act or. PDKV, Akola of Science (STCR, dal, Mumbai, Malashtra. of Secondary E	re (DPC) of ARS rasantdada Sugar re of NRC on as a nominee of on the Selection redemic Staff in 2009. LTFE and marashtra an	
16	Life Member of Statutory Bodies		 Chairman, I (2005 to 20) Chairman, I Member, A 	Board of Studie 07 and 2013 to Faculty of Agric cademic Counc	es, Soil Science and	Agril. Chemistry nuri (2017 to till d 2017 to till date)		
17	Membership of Scientific Societies	:	 Indian Society of Soil Science, New Delhi The Clay Mineral Society of India, New Delhi Potassium Research, Haryana Journal of Maharashtra Agril. Universities, Pune 					
18 Ad-hoc Projects 1 Principal Investigator, Network Project on Spentwash (Rs. 19 In Central Pollution Control Board, New Delhi. 2 Principal Investigator, Spentwash Project in eight Co-operative of Maharashtra (Rs. 73.57 lakhs). 3 Technical and Administrative Head for World Bank funded prograding Advanced Agriculture Science and Technology "Climate Smart Water Management" amounting to Rs. 20 Corers supported by New Delhi. 4 GPS and GIS based model soil fertility maps for selected disfertilizer recommendation to the farmers of India (Rs. 53.56 lakh 5) Diatomaceous earth as source of silicon in different crops of lakhs)					Sugar Industries ject on Centre of t Agriculture and ICAR-NAHEP, tricts for precise 1s)			
19	International Exposure	:	 Post-Doctoral Research at Macaulay Land Use Research Institute Aberdeen, Scotland, U.K. under by the Commonwealth Scholarship Commission, United Kingdom during 1999-2000. Presented research paper clay mineralogy in International Conference at Loyala University, Chicago, USA (June, 2000) Presented Research Paper in International Seminar at Geo Science University, Jena, Germany (September, 2000) Visited Washington State University, Pullman, USA for study of Climate Smart Technology (March, 2020) 					
20	Revenue	:	Post	Place of	Project	Amount	Duration	

	of Instruction		Affiliated		
			Colleges		
	Dean (F/A) and Director of Instruction	MPKV, Rahuri	Scholarship for Students through CSR Fund	110.00	2017 to 2020
	Dean (F/A) and Director of Instruction	MPKV, Rahuri	Centre of Advanced Agriculture Science and Technology "Climate Smart Agriculture and Water Management", MPKV, Rahuri	2000.00	2017 to 2020
	Associate Dean	College of Agriculture, Kolhapur	Education and Seed Production	282.00	2008 to 2013
	Head of Department	Soil Science and Agril. chemistry, MPKV, Rahuri	Net work projects, Spentwash, Product Testing etc.	174.00	2005 to 2007 and 2013 to 2017
	Chief Scientist & Associate Director of Research & Soil Specialists	Zonal Agril. Research Station, Solapur	National Agricultural Technology Project (12)	151.00	2003 to 2005