

**1. Details of the Teacher/ Academic**

<b>Name</b>	Mukesh Kumar
<b>Date of Birth</b>	14 June 1975
<b>Date of Joining in IGNOU</b>	18.04.2006
<b>Current Designation</b>	Professor
<b>Pay Scale as on date</b>	Academic Level-14
<b>Highest Educational Qualifications &amp; Discipline</b>	B. Tech. (Agricultural Engineering), M. Tech. (Soil and Water Engineering), Ph.D. (Agricultural Engineering), PG Diploma in Distance Education, Master in Arts (Distance Education).

**2. Honour/Award/Fellowship/membership of Professional body/ Statutory body (internal/ external) received by the Teacher/ Academic**

<b>Name of the recipient</b>	<b>Honour /Award/ Fellowship name/ membership of Professional body/ Statutory body</b>	<b>Agency name /Name of statutory body/ institution/ Apex body</b>	<b>Period</b>
Dr. Mukesh Kumar	SCSI Book Award-2023	Soil Conservation Society of India, New Delhi	2023
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	20.08.2021 to 19.08.2023
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	20.08.2021 to 19.08.2023
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	20.08.2021 to 19.08.2023
Dr. Mukesh Kumar	Best Oral Presentation Award	Soil Conservation Society of India, New Delhi	2019
Dr. Mukesh Kumar	National Fellow Award 2018	Soil Conservation Society of India, New Delhi	2019
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	20.08.2019 to 19.08.2021
Dr. Mukesh Kumar	National Fellow Award-2019	Soil Conservation Society of India, New Delhi	2019
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	15.03.2018 to 07.06.2019
Dr. Mukesh Kumar	Member School Board	School of Translation Studies and Training, IGNOU, New Delhi	19.01.2018 to 18.01.2020
Dr. Mukesh Kumar	Best Oral Paper Presentation Award	Soil Conservation Society of India, New Delhi	2017
Dr. Mukesh Kumar	Special Research Award-2016	Soil Conservation Society of India, New Delhi	2016
Dr. Mukesh Kumar	Treasurer	Soil Conservation Society of India, New Delhi	2016 to 2019
Dr. Mukesh Kumar	Joint Secretary	Soil Conservation Society of India	2013-2016
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	06.06.2015 to 05.06.2017
Dr. Mukesh Kumar	University Silver Medal-2015 for Research Paper entitled cost	Indira Gandhi National Open University, New Delhi, India	2015

	effective baby corn cultivation under drip fertigation.		
Dr. Mukesh Kumar	Member School Board	School of Continuing Education, IGNOU, New Delhi	21.02.2014 to 20.02.2016
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	15.05.2013 to 14.05.2013
Dr. Mukesh Kumar	Gold Medal-2014	Soil Conservation Society of India, New Delhi	2014
Dr. Mukesh Kumar	FAI Golden Jubilee Award for "Outstanding Doctoral Research in Fertilizer Usage"-2013	Fertilizer Association of India, New Delhi	2013
Dr. Mukesh Kumar	Ph.D. Student Incentive Award-2012	Soil Conservation Society of India, New Delhi	2013
Dr. Mukesh Kumar	Member, Committee Constituted to Create Water Harvesting System in the IGNOU campus	Administration Division IGNOU	22.05.2013
Dr. Mukesh Kumar	Life Membership	Indian Association of Hydrology	29.10.2013
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	15.05.2013 to 14.05.2015
Dr. Mukesh Kumar	Life Membership	Soil Conservation Society of India, New Delhi	6.10.2012
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	22.02.2007 to 21.02.2009
Dr. Mukesh Kumar	Life Membership	Indian Society of Agricultural Engineers	31.3.2007
Dr. Mukesh Kumar	Member School Board	School of Agriculture, IGNOU, New Delhi	31.05.2006 to 22.02.2007

### 3. Books/Book Chapters:

- Co-author/co-editor if any, title, place of publication, publisher, Year, page (no) s, ISBN No.

#### Books

S. No.	Name of Authors/ Editors, & Co-author (s) / Co-editor (s) (if any)	Title of Book	Place of publication	Publisher	Year	Total Pages	ISBN No.
1.	Munish Kumar, T.B.S. Rajput, Kaushal Kumar, Sarvesh Kumar, <b>Mukesh Kumar</b> and V.K. Kanaujia (Eds).	The Book of Abstract, 32 <sup>nd</sup> National Conference on "Soil, Water, and Energy Management for Sustainable Agriculture and Livelihood Security	Kanpur	C.S. Azad University of Agriculture & Technology, Kanpur	2024	338	ISBN-978-935-552-547-5
2.	Yasheshwar, Anil Kumar Mishra and Mukesh Kumar. (Eds.).	Recent Advancements in Sustainable Agricultural Practices: Harnessing Technology for Water Resources, Irrigation and Environmental Management.	Singapore	Springer Nature	2024	374	ISBN-978-1-032-39851-8 (bhk); 978-981-

							97-2154-2 (pbk); 978-981-97-2155-9 (ebk)
3.	Mukesh Kumar, Rohitashw Kumar and Vijay P. Singh (Eds.)	Advances in Water Management under Climate Change.	Boca Raton, London, New York	CRC Press, Taylor & Francis Group	2024	390	ISBN: 978-1-032-39851-8 (bhk); 978-1-032-39853-2 (pbk); 978-1-003-35167-2 (ebk)
4.	मीताली भारती, मुकेश कुमार और वीरेंद्र कुमार भारती	कृषि सशक्तिकरण के लिए आर्टिफिशियल इंटेलिजेंस	नई दिल्ली	डीपीएस पब्लिशिंग हाउस	2023	218	978-81-975707-3-5
5.	Sanjay Arora Singh, A.K., Ammal B.U., Chopra, I., Sarmah, A.K., Sharma, N., and Ojha, R.P. (eds.)	Advances in Water Management under Climate Change	Lucknow (U.P.)	Academy of Natural Resource Conservation and Management	2023	148-154	978-81-957292-3-4
6.	S. Manivannan, TBS Rajput, Sanjay Arora, V. Kasthuri Thilagam, Nandlal Kushwaha, Mukesh Kumar, RAS Patel, Manjushree Singh (Eds.)	The Book of Abstracts, International Conference on “Sustainable Natural Resource Management under Global Climate Change”	New Delhi, India	Soil Conservation Society of India,	2023	638	ISBN: 978-81-958227-7-5
7.	S. Manivannan, TBS Rajput, Sanjay Arora, V. Kasthuri Thilagam, Nandlal Kushwaha, Mukesh Kumar, RAS Patel, Manjushree Singh (Eds.)	Souvenir, 5 <sup>th</sup> International Conference on “Sustainable Natural Resource Management under Global Climate Change”	New Delhi, India	Soil Conservation Society of India,	2023	84	978-81-967847-0-6
8.	S. Manivannan, TBS Rajput, Sanjay Arora, V. Kasthuri Thilagam, Nandlal	Book of Invited Papers, International Conference on “Sustainable Natural Resource Management	New Delhi, India	Soil Conservation Society of India,	2023	216	978-81-967847-8-2

	Kushwaha, Mukesh Kumar, RAS Patel, Manjushree Singh (Eds.)	under Global Climate Change”					
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• **Book Chapter**

S. No.	Name of Authors/ Editors, & Co-author (s) / Co-editor (s) (if any)	Title of chapter/book	Place of publication	Publisher	Year	Total Pages	ISBN No.
1.	Yasheshwar, Anil Kumar Mishra and Mukesh Kumar. (Eds.).	<b>Chapter Title:</b> Drip Irrigation: Concept, Design and IoT-Based Automation. <b>Book Title:</b> Recent Advancements in Sustainable Agricultural Practices: Harnessing Technology for Water Resources, Irrigation and Environmental Management.	Singapore	Springer Nature	2024		ISBN-978-1-032-39851-8 (bhk); 978-981-97-2154-2 (pbk); 978-981-97-2155-9 (ebk)
2.	Mukesh Kumar, Rohitashw Kumar and Vijay P. Singh (Eds.)	<b>Chapter Title:</b> Water Management-Issues and Challenges. <b>Book Title:</b> Advances in Water Management under Climate Change.	Boca Raton, London, New York	CRC Press, Taylor & Francis Group	2024	378-390	ISBN: 978-1-032-39851-8 (bhk); 978-1-032-39853-2 (pbk); 978-1-003-35167-2 (ebk)
3.	Sanjay Arora Singh, A.K., Ammal B.U., Chopra, I., Sarmah, A.K., Sharma, N., and Ojha, R.P. (eds.)	<b>Chapter Title:</b> Watershed Management: A Tool for Achieving Sustainable Development Goals (SDGs). <b>Book Title:</b> Advances in Water Management under Climate Change	Lucknow (U.P.)	Academy of Natural Resource Conservation and Management	2023	148-154	978-81-957292-3-4
4.	S. Manivannan, TBS Rajput, Sanjay Arora, V. Kasthuri Thilagam, Nandlal Kushwaha, Mukesh Kumar, RAS Patel, Manjushree Singh (Eds.)	<b>Chapter Title:</b> Online and Blanded Education in Agriculture-A way Forward. <b>Book Title:</b> Advances in Water Management under Climate Change	New Delhi, India	Soil Conservation Society of India,	<b>2023</b>	148-154	ISBN:978-81-967847-8-2
5.	Mukesh Kumar	Gender and Water	New	IGNOU	2021	62-79	ISBN-

			Delhi				978-93-5568-341-0
6.	Mukesh Kumar	Water and Human Development	New Delhi	IGNOU	2021	27-44	ISBN-978-93-5568-188-1
7.	Arora, Sanjay, Swami, Sanjay and Bhan, Suraj (Eds.)	<b>Chapter Title:</b> Precision Watershed Management through Integrated Approach-A Viable Way for Sustainable Agriculture. <b>Book Title:</b> Natural Resource Management for Climate Smart Sustainable Agriculture	New Delhi	Soil Conservation Society of India,	2017	378-390	ISBN-978-81-909228-8-3
8.	Megh R Goyal	<b>Chapter Title:</b> Soil Moisture Distribution under Micro Irrigation. <b>Book Title:</b> Research Advances in Sustainable Micro Irrigation Management, Performance, and Applications of Micro Irrigation Systems	Toronto, New Jersey, Canada,	Apple Academic Press, Toronto	2016	131-138	ISBN-978-1-77188-069-5
9.	Megh R Goyal	<b>Chapter Title:</b> Fertigation: Venturi Injection Method. <b>Book Title:</b> Sustainable Micro Irrigation-Principles and Practices, Part-II	Toronto, New Jersey, Canada,	Apple Academic Press,	2015	265-273	978-1-77188-016-9
10.	P.K. Jain, B.S. Hansra, K.S. Chakroborty and Jayashree M. Kurup	<b>Chapter Title:</b> Watershed Management- A Key to sustainability. <b>Book Title:</b> Food Security & Sustainable Agriculture	New Delhi	U Day Publishers and Advertisers	2009	136-146	81-908641-0-7
11.	N.P. Singh, D. Daschaudhuri, M.Datta and K.S. Chakraborty	<b>Chapter Title:</b> Background, Concept, Scope and Importance of Watershed Management. <b>Book Title:</b> Watershed Management. Published by IGNOU Regional Centre, Agartala, Tripura	Agartala, Tripura (W).	IGNOU Regional Centre, Agartala, Tripura (W)	2007	21-27	

#### 4. Research Articles/Publications:

S. No.	Author/ Co-author (if any)	Title	Name of Journal	Volume	page no.	Year	ISSN No
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1.	Nidhi Kesari, Kumar Mukesh, Yasheshwar and Meetali	Bibliometric Analysis of Emerging Research Trends of ICT in the field of Business and Management in the Post Covid Context	<i>Communicator</i>	LVIX(3)	23–31	2024	0588-8093
2.	Chaithra N.R., Kumar Mukesh, P. Vijayakumar and Meetali	New Media Applications: Driving Change in the Agricultural Development	<i>Communicator</i>	LVIX(2)	72–83	2024	0588-8093
3.	Yasheshwar, Kumar Mukesh, Anita Rani and Shahid Umar	Evaluating drought tolerance in marigold cultivators across different soil moisture levels.	<i>Journal of Soil and Water Conservation</i>	22(4)	421- 426	2023	0022-457X
4.	Verma Meenu, Kushwaha Shalini, Kumar Mukesh and P. Vijayakumar	Role of Social Media in Interpersonal Communication during COVID-19 Lockdown.	<i>Communicator</i>	LVIII(1&2)	91–97	2023	0588-8093
5.	Kumar Mukesh and Kumar Rohitashw	Yield response and validation of CROPWAT for baby corn under drip irrigation.	<i>Journal of Soil and Water Conservation</i>	21(4)	409- 415	2022	0022-457X
6.	Kumar Rohitashw, Richa Rishi and Kumar Mukesh	Evaluation of soil moisture and evapotranspiration variation using water balance methods in Indian Mustard (Brassica juncea).	<i>Journal of Soil and Water Conservation</i>	21(3)	331- 335	2022	0022-457X
7.	Sonali Vatsyayan, Ravinder Raina and Mukesh Kumar	Influence of blanching and guar gum pre- treatments on total phenolic content and antioxidant activity of cabinet-dried white bitter gourd <i>Momordica charantia L.</i>	<i>Journal of Applied and Natural Science</i>	14(2)	344- 349	2022	ISSN:0974- 9411 (Print); ISSN:2231- 5209 (online)
8.	Mukesh Kumar, Ramesh Yadav, Parmod Kumar, P. Vijayakumar & Deepshikha	Role of Media in Sensitizing Masses on Water Conservation	<i>Communicator</i>	LVII(2)	62–67	2022	0588-8093
9.	Upma Gautam, Vivek Tiwari, Jitendra Kumar and Mukesh Kumar	Morphometric evaluation of Upper Ramganga basin using geospatial techniques	<i>Journal of Soil and Water Conservation</i>	21(2)	176- 183	2022	0022-457X
10.	Sonali Vatsyayan,	Effect of pre-treatments on physical attributes of	<i>Plant Archives</i>	21	1588- 1594	2021	e- ISSN:2581-

	Ravinder Raina, Neeru Dubey, Anshu Sharma and Mukesh Kumar	dehydrated green bitter gourd					6063 (online), ISSN:0972-5210
11.	Vijayakumar, P., Mukesh Kumar, Meetali and Deepshikha	ICT Based Media Support Services Provided to the Learners of ODL Programmes during Covid-19 Pandemic	<i>Communicator</i>	LVI (1)	77–83	2021	ISSN: 0588-8093
12.	Kumar Rohitashw and Kumar Mukesh	Effect of drip irrigated mulch on soil properties and water use efficiency-A review.	<i>Journal of Soil and Water Conservation</i>	19 (3)	300-309s	2020	. ISSN: 0022-457X.
13.	Mukesh Kumar, Vijayakumar P., and Salooja M.K.	Implementation of Skill-Based Vocational Agriculture Programmes through distance Learning Mode: An Analysis of Learners' Feedback	<i>Indian Journal of Open Learning</i>	28(2)	89-102	2019	ISSN: 0976-2876 (Print); ISSN: 2250-0138 (Online). ISSN: 0971-2690
14.	Singh Neelratan, Ali Shakir, Raju N.J., Singh Yamuna, Kushagra Rajendra, Kumar Mukesh, Deshmukh Benidhar, Jhariya D.C., Kumar Vinesh, Sharma M.C., Chakraborty Elora, Siddiqui M.A. and Singh Akhilesh.	Dataset on mapping and morphometry of sand dunes in Nubra and Shyok Valleys, Ladakh Himalaya, India	<i>Indian J. Sci. Res.</i>	10 (1)	11-19	2019	0976-2876 (Print); ISSN: 2250-0138 (Online)
15.	Rohitashw Kumar, Mukesh Kumar and Maliqa Majid	Meteorological drought analysis based on rainfall data of temperate region of Kashmir	<i>Journal of Soil and Water Conservation</i>	17(4)	344-349	2018	0022-457X
16.	Mukesh Kumar and Rohitashw Kumar	Hydraulics of water and nutrient application through drip irrigation- A review	<i>Journal of Soil and Water Conservation</i>	17(1)	65-74	2018	0022-457X
17.	Rohitashw Kumar, Ruhul Nissa and Kumar Mukesh	Moisture dynamics and irrigation modelling in apple ( <i>Malus domestica</i> ) trees using CROPWAT model in	<i>Indian Journal of Agricultural Sciences</i>	88 (9)	1449–54	2018	0019-5022



		temperate region of India					
18.	Mukesh Kumar and P. Vijayakumar	Effectiveness of short duration training programmes on field level watershed functionaries	<i>Journal of Community Mobilization and Sustainable Development</i>	13(1)	147-150	2018	2230-9047
19.	Rohitashw Kumar, Mukesh Kumar, Zeenat Farooq and Sushmita M. Dadhich	Evaluation of models and approaches for effective rainfall in irrigated agriculture-A review	<i>Journal of Soil and Water Conservation</i>	16(1)	32-36	2017	0022-457X
20.	Shruti Rani Tirkey, Arpan Sherring and Mukesh Kumar	Development of mathematical model for estimation of wetting Front advance under drip irrigation in sandy loam soil	<i>Journal of Soil and Water Conservation</i>	16(1)	53-58	2017	0022-457X
21.	Rohitashw Kumar and Mukesh Kumar	Evaluation of reference evapotranspiration models using single crop coefficient method and lysimeter data	<i>Indian Journal of Agricultural Sciences</i>	87(3)	350-354	2017	0019-5022
22.	Mukesh Kumar, Rohitashw Kumar, T.B.S. Rajput and Neelam Patel	Efficient design of drip irrigation system using water and fertilizer application uniformity in different operating pressures at semi-arid region of India.	<i>Irrigation and Drainage</i> . DOI: 10.1002/ird.2108			2017	1531-0361
23.	Jitendra Kumar, Neelam Patel, T.B.S. Rajput, Mukesh Kumar	Sensor network based irrigation system for real time irrigation scheduling in vegetable crops under different methods of irrigation	<i>Indian Journal of Agricultural Sciences</i>	86(11)	1433-1437	2016	0019-5022
24.	Rohitashw Kumar, Mukesh Kumar, Shah, A. I, Bhat, S. A., Wani, M. A. and D. Ram	Modelling of soil loss using USLE through remote sensing and geographical information system in micro-watershed of Kashmir valley, India	<i>Journal of Soil and Water Conservation</i>	15(1)	40-45	2016	0022-457X
25.	Mukesh Kumar, T.B.S. Rajput, Rohitashw Kumar and Neelam Patel	Water and nitrate dynamics in baby corn ( <i>Zea mays</i> L.) under different fertigation frequencies and operating pressures in semi-arid region of India	<i>Agricultural Water Management</i>	163	263–274	2016	0378-3774
26.	Mukesh Kumar, T.B.S. Rajput	Spatio-temporal movement of water and	<i>Indian Journal of Agricultural</i>	86 (3)	310-314	2016	0019-5022



	and Neelam Patel	nitrate under different dripper discharges in drip fertigation	<i>Sciences</i>				
27.	Neelam Patel, T.B.S. Rajput and Mukesh Kumar	Fertigation scheduling in tomato based on the hydraulics and nutrients under point source of water application	<i>Asian Journal of Science and Technology</i>	6 (2)	1141-1145	2015	0976- 3376
28.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Drip fertigation: A viable solution for sustainable baby corn cultivation	<i>Indian Journal of Fertilizer</i>	11 (3)	50-56	2015	0973-1822
29.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Effect of dripper discharge on spatio-temporal movement of water in soil under drip irrigation	<i>Journal of Soil and Water Conservation</i>	14(2)	141-145	2015	0022-457X
30.	Owais Ahmad Bhat, Rohitashw Kumar, Mukesh Kumar and Yasir Altaf	Development of deterministic prediction runoff model for micro-watersheds of Dal Catchment of Kashmir Valley, India	<i>Journal of Soil and Water Conservation</i>	14(1)	53-57	2015	0022-457X
31.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Impact of fertigation frequency on growth and yield parameters of baby corn ( <i>Zea mays</i> L.)	<i>Indian Journal of Agricultural Sciences</i>	85(3)	397-403	2015	0019-5022
32.	Mukesh Kumar and T.B.S. Rajput	Effect of drip irrigation and fertilizer application on yield of baby corn ( <i>Zea mays</i> L.)	<i>Current Horticulture,</i>	2(1)	34-38	2014	2347-7377
33.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Cost-effective baby corn cultivation under drip fertigation	<i>Indian Journal of Agricultural Sciences</i>	84 (5)	637-642	2014	0019-5022
34.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Water and nitrogen distribution uniformity for different drip-lengths under drip irrigation system	<i>Journal of Agricultural Engineering</i>	51 (1)	37-42	2014	0256-6524
35.	Rohitashw Kumar and Mukesh Kumar.	Evaluation of large scale subsurface drainage system in the Indira Gandhi Nahar Paryajoina command area, Rajasthan India	<i>Journal of Soil and Water Conservation</i>	13(1)	53-57	2014	0022-457X
36.	eqds'k dqekj] Vh- ch- ,l- jktiwr v@j uhye iVøy	csch dkWuZ dh mit ij QfVZxs'ku dk izHkko	,Q+- , - vkb- [kkn if'dk	54 (11):	26-30	2013	\
37.	Mukesh Kumar,	Performance	<i>Pusa</i>	36	58-63	2013	0973-7324

	T.B.S. Rajput and Neelam Patel	Evaluation of drip-tape for irrigation under different operating pressures	<i>AgriSciences</i>				
38.	Rohitashw Kumar, D. Ram, S. Chand, Deepak Jhaharia, Mukesh Kumar and R. M Shukla	Rain water harvesting in north-western Himalayan region-A Case Study	<i>Journal of Soil and Water Conservation</i>	11(4)	323-328	2012	0022-457X
39.	Anju Bala, Mukesh Kumar, Kishan Singh Rawat and D. S. Taneja	Estimating time for formation of recharge mound and rate of recharge from percolation tank from mathematical model	<i>Journal of Agricultural Physics</i>	12(2)	1-12	2012	0973-032X
40.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Effect of system pressure and solute concentration on fertilizer injection rate of a venturi for fertigation	<i>Journal of Agricultural Engineering</i>	49 (4)	9-13	2012	0256-6524
41.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel	Yield and water use efficiency of baby corn ( <i>Zea mays L.</i> ) as affected by fertigation schedules	<i>Journal of Soil and Water Conservation</i>	11(1)	53-58	2012	0022-457X
42.	Hari Raj Singh, Mukesh Kumar, A.K. Bajpai and V. K. Rathi	Remote sensing for change detection of land use in Bandol and Bijna Nala micro-watershed, Madhya Pradesh	<i>Journal of Water Management</i>	17(2)	143-148	2009	
43.	Mukesh Kumar, Sadhna Arora and Shatish Sharma	Engineering properties of fresh pea kernels ( <i>Pisum Sativum L</i> )	<i>Journal of Agricultural Engineering</i>	41 (1)	59-61	2004	0256-6524
44.	Mukesh Kumar, K.G. Singh and S.K. Sondhi	Modeling of nitrate movement and leaching losses under wetland moisture regime	<i>Journal of Agricultural Engineering</i>	41 (1)	38-43	2004	0256-6524
45.	T.B.S. Rajput, Neelam Patel and Mukesh Kumar	Effect of size and pressure gradient on suction rate of Venturi	<i>Journal of Agricultural Engineering</i>	41 (2)	38-41	2004	0256-6524
46.	Mukesh Kumar, K.G. Singh and S.K. Shakya	Modelling of fertilizer nitrogen in irrigated rice fields	<i>Hydrology Journal of IAH</i>	28 (3-4)	73-78	2004	
47.	Mukesh Kumar, K.G. Singh and S.K. Shakya	Nitrogen leaching loss in irrigated rice fields	<i>Journal of Research, PAU, Ludhiana</i>	40 (2)	230-235	2003	2395-1435
48.	Mukesh Kumar, K.G. Singh and	Simulation of nitrogen leaching loss in	<i>Journal of Agricultural</i>	40 (1)	56-64	2003	0256-6524

	S.K. Shakya	irrigated rice fields. journal of agricultural engineering	Engineering				
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**5. Policy Documents Reports/ Mimeos: NIL**

S. No.	Title	Institution/ Agency	Year
1.	The Proceedings, International Conference on “Sustainable Natural Resource Management under Global Climate Change”	Soil Conservation Society of India, New Delhi, India	2023

**6. MOOCs/ eSLMs/ eModules developed:**

S. No.	Author/ Co-author (if any)	Title	Credits	Level	Host Portal: (SWAYAM/ NPTEL/ NMEICT/ ePG Pathshala/ Any Other)	Year	Weblink
1.	Mukesh Kumar	Solar Energy and Its application	Non-Credit	Awareness	SWAYAM	2018	<a href="https://drive.google.com/file/d/1e32xn8C6q2tTXEFm25V4YNmPu_CDuuMW/preview">https://drive.google.com/file/d/1e32xn8C6q2tTXEFm25V4YNmPu_CDuuMW/preview</a>
2.	Mukesh Kumar	Solar Water Pumps and Its Components	Non-Credit	Awareness	SWAYAM	2018	<a href="https://drive.google.com/file/d/1lkYum2B8LWUMOWPurv4V3ywyI0WTPluo/preview">https://drive.google.com/file/d/1lkYum2B8LWUMOWPurv4V3ywyI0WTPluo/preview</a>
3.	Mukesh Kumar	Operation Maintenance and its Safety	Non-Credit	Awareness	SWAYAM	2018	<a href="https://drive.google.com/file/d/1KXm9o_oWSGrj4t-0EbmPw1L0a_NrpKqN/preview">https://drive.google.com/file/d/1KXm9o_oWSGrj4t-0EbmPw1L0a_NrpKqN/preview</a>

**7. Presentation/Invited talk/Chair in National or International Seminar/Conference / Workshops (Please do not mention if it is only participation without presentation)**

S. No.	Author/ Co author (if any)	Title of presentation, /Talk/Lecture	Name Organizing Institute	Conference	City	Date and Year
1.	Mukesh Kumar and Vijayakumar P.	Watershed Management: A Tool for Achieving Sustainable Development Goals (SDGs)	Academy of Natural Resource Conservation and Management (ANRCM), India	National Conferences on Natural Resource Conservation and Management for Agricultural and Environmental Sustainability	Lucknow	8 December 2023
2.	Mukesh Kumar and Vijayakumar P.	Online and Blanded Education in Agriculture-A way Forward	Soil Conservation Society of India, New Delhi, India	5 <sup>th</sup> International Conference on Sustainable Natural Resource Management under Global Climate Change	New Delhi	November 8, 2023
3.	Mukesh Kumar	Round the year	Centre for	Training	Online	February

		baby corn production under drip fertigation system for more income	Protected Cultivation Technology, IARI, New Delhi, India during 7 and 21 February 2022	programme for M.Sc. and Ph.D. students sponsored by ICAR	(Delhi)	15, 2022
4.	Mukesh Kumar, T.B.S. Rajput and Neelam Patel (Lead Lecture)	Impact of system operating pressure on soil moisture movement and baby corn yield under drip irrigation	Soil Conservation Society of India	28 <sup>th</sup> National Conference on Farmers Friendly Soil and Water Conservation Technologies for Mitigating Climate Change Impact	Ooty	January 30 to February 02, 2019
5.	Mukesh Kumar	Solar water pumping system for irrigation: a viable solution for sustainable agriculture	AAU, Jorhat (Assam) and Assam chapter of Soil Conservation Society	27 <sup>th</sup> National conference on sustainable management of soil and water resources for doubling farmers income	AAU, Jorhat (Assam)	October 25-27, 2018
6.	Mukesh Kumar and Rohitashw Kumar (Lead Lecture)	Food and Livelihood Security through Watershed Management Approach	Soil Conservation Society of India	1 <sup>st</sup> Asian Conference WLMFLS-2017 on Water and Land Management for Food and Livelihood	Raipur, Chhattisgarh	January 20-22, 2017
7.	Mukesh Kumar (Invited talk)	Spatio-temporal movement of water and nutrient under drip irrigation system	Division of Agricultural Engineering, SKUAST-K,	21 days Summer School Training on Modelling and Advances in micro irrigation for improving during 05-24 July, 2017 on	Shalimar Campus-190025 (J&K)	July 14, 2017
8.	Mukesh Kumar (Invited talk)	Impact of fertigation frequency on baby corn under drip irrigation	Division of Agricultural Engineering, SKUAST-K,	21 days Summer School Training on Modeling and Advances in micro irrigation for improving during 05-24 July, 2017 on	Shalimar Campus-190025 (J&K)	July 14, 2017
9.	Mukesh Kumar and Rohitashw Kumar	Role of indigenous water conservation techniques in water conservation for agriculture sustainability	Post Graduate Studies, Umiam (Barapani), Meghalaya and the Soil Conservation Society of India	26 <sup>th</sup> National Conference on "Natural Resource Management for Climate Smart Sustainable Agriculture"	Post Graduate Studies, Umiam (Barapani), Meghalaya	September 11-13, 2017
10.	Mukesh Kumar,	Challenges in	Indira Gandhi	International	Staff	9-11

	P. Vijayakumar and M.K. Salooja	imparting skills through Open and Distance learning (ODL) in practical based agriculture Programme	National Open University	Seminar on skill development through ODL: innovations, entrepreneurship, employment for inclusive and sustainable livelihoods	Training and Research Institute of Distance Education, IGNOU, New Delhi	March, 2017.
11.	Mukesh Kumar	Role of Open and distance learning in Agriculture	ICAR Research Complex for NEH Region (ICARNEH),	21 days summer School training on Conservation agriculture for enhancing resource use efficiency and arresting land degradation	Umiam, Meghalaya	19 August 2015 to 08 September 2015

**8. Consultancy assignment (if any): NIL**

S. No.	Organization/ agency	Cost, title of consultancy	Duration

**9. Details of Institution/ Government/ Industry / own Institution Sponsored Research Projects (including Programme Evaluation) and Amount (Both completed and ongoing):**

S. No.	Agency	Amount	Duration with dates	Status i.e. ongoing/ completed
1.	Department of Rural Development (DoLR), Ministry of Rural Development (MoRD), GoI Capacity Building (Diploma Training Programme) under Common Guidelines 2008 for Watershed Development	Rs. 194.81 Lakhs	1 April 2009 to 31 March 2014	Completed
2.	Department of Rural Development (DoLR), Ministry of Rural Development (MoRD), GoI	Rs. 38.86 Lakhs	1 April 2009 to 31 March 2011	Completed

**10. Details of Ph.D. and M.Phil. Scholars (including those awarded degree)**

S. No.	Name and enrolment no	Year of registration	Year of completion/ award
1.	Mr. Rakesh Kumar, Enrolled at Amity, Noida with enrolment No. A12673316001	2016	2023
2.	Ms Sonali Vatsyayan, Enrolled at Amity, Noida with enrolment No. A12673316002	2016	2024

**11. Details of Programmes/ Courses coordinated/written/ edited/ translated if applicable):**

S. No.	Programme	Course	Unit (print)/ Audio/	Coordinated/Written / Edited (content/	Period
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			<b>Video/eSLM</b>	<b>language/ format)/ Translated</b>	
1.	Bachelor of Science (Food Safety and Quality Management) (BSCFFSQM) - FYUP	BPVC-101: Food Science and Food Safety BPVC-102: Food Chemistry and Nutrition BPVC-103: Food Microbiology and Toxicology BPVC-104: Post-Harvest Management of Food Produce BPVC-105: Food Safety and Quality Assurance BPVC-106: Processing of Agricultural Produce BPVC-107: Processing of Animal Produce BPVC-108: Food Safety and Quality Management System BPVC-109: Food Safety Laws and Regulations – I BPVC-110: Food Safety Laws and Regulations – II BPVV-101: Horticulture BPVV-102: Food Preservation Technology BPVV-103: Marketing and Entrepreneurship BPVV-104: Value Addition of Cereals and Pulses BPVV-105: Value Addition of Fruits and Vegetables BPVV-106: Value Addition of Milk BPVV-107: Value Addition of Meat BPVV-108: Value Addition of Fish & Shellfish	Print and eSLM	<ul style="list-style-type: none"> <li>• Programme Coordination</li> <li>• Course Coordination</li> <li>• Written (1 Activity manual) and Edited (content/ format) of BPVC-101</li> </ul>	2024-to till date
2.	Awareness programme on Solar Water Pumping System (APSWP)	Three modules viz.: NAP-001: Solar Energy and its Application NAP-002: Solar Water Pump and its Components NAP-003: Operation Maintenance and its Safety	eSLM and Video	<ul style="list-style-type: none"> <li>• Programme Coordination</li> <li>• Course Coordination</li> <li>• Written (3 modules)              Module 1: Solar Energy and its Applications;              Module 2: Solar Water Pump and its Components; and              Module 3: Operation, Maintenance and Safety.</li> </ul>	2018 to till date
3.	Diploma in Watershed Management (DWM)	Seven courses viz.: BNRI-101: Fundamental of Watershed Management BNRI-102: Elements of Hydrology	Print and eSLM	<ul style="list-style-type: none"> <li>• Programme Coordination</li> <li>• Course Coordination (All 7 course)</li> <li>• Developed</li> </ul>	2011 to till date



		BNRI-103: Soil and Water Conservation BNRI-104: Rainfed Farming BNRI-106: Horticulture and Agro-Forestry Systems BNRI-107: Funding, Monitoring, Evaluation and Capacity Building BNRP-108: Project Formulation		Programme Guide • Written (5 Units: Block-1, BNRI-101, Unit 2: Concept, Scope and Importance of Watershed Management; Block-2, BNRI-103, Unit 6: Artificial Groundwater Recharge; Block-1, BNRI-107, Unit 2: Management of Watershed Development Funds • Block-2, BNRI-107, Unit 4: Monitoring and Evaluation; Block-2, BNRI-107, Unit 5: Capacity Building and 3 Practical Manuals: BNRI-102, BNRI-104 & BNRI-107 and BNRP-108: Manual on project guidelines) and Edited (content/ language/ format)	
4.	Certificate in Water Harvesting and Management (CWHM)	Four courses viz.: ONR-001: Introduction to Water Harvesting ONR-002: Basics of Hydrology ONR-003: Water Harvesting, Conservation and Utilization ONRL-001: Practical related to Water Harvesting	Print and eSLM	• Programme Coordination • Course Coordination (All 4 course) • Developed Programme Guide • Written (2 Units: Block 2 of ONR-002, Unit 5: Water Pollution and Unit 6: Water Quality Parameters) and Edited (content/ language/ format)	2009 to till date
5.	Diploma in Production of Value-Added Products from Cereals, Pulses and Oilseeds	Eight courses viz.: BPVI-031: Food Fundamentals BPVI-032: Food Microbiology BPVI-033: Milling of Wheat, Maize and Coarse grains	Print and eSLM	• Programme Coordination • Course Coordination (All 8 course) • Developed	2008 to till date

	(DPVCPO)	BPVI-034: Baking and Flour Confectionery BPVI-035: Paddy Processing BPVI-036: Processing of Pulses and Oilseeds BPVI-037: Food Quality Testing and Evaluation BPVI-038: Entrepreneurship and Marketing		Programme Guide	
	Diploma in Value Added Products from Fruits and Vegetables (DVAPFV)	BPVI-001: Food Fundamentals BPVI-002: Principles of Post Harvest Management of Fruits and Vegetables Food BPVI-003: Food Chemistry and Physiology BPVI-004: Food Processing and Engineering-I BPVI-005: Food Microbiology BPVI-006: Food Processing and Engineering-II BPVI-007: Food Quality Testing and Evaluation BPVI-008: Entrepreneurship and Marketing	Print and eSLM	<ul style="list-style-type: none"> <li>• Programme Coordination</li> <li>• Course Coordination (All 8 course)</li> </ul>	September 2021 to till date

## 12. Training programmes designed and conducted, duration and dates

S. No.	Programme	Dates	Place	Number of Participants
1.	4 days training programme on Soil and Water Conservation Sponsored by: DoLR, MoRD, GoI	1 <sup>st</sup> to 4 <sup>th</sup> August 2009	IGNOU Centre for ODL in Research and Training in Agriculture, Agartala (Tripura)	30
2.	7 days training programme on Watershed Management Sponsored by: DoLR, MoRD, GoI	21 <sup>st</sup> to 27 <sup>th</sup> July 2009	Krishi Vigyan Kendra, Gurdaspur (Punjab)	38
3.	4 days training programme on Soil and Water Conservation Sponsored by: DoLR, MoRD, GoI	1 <sup>st</sup> to 4 <sup>th</sup> July 2009	Krishi Vigyan Kendra, Mehaboobnagar (Andhra Pradesh)	33
4.	7 days training programme on Watershed Management	17 <sup>th</sup> to 23 <sup>rd</sup> June 2009	Krishi Vigyan Kendra - Shikohpur, Gurgaon District (Haryana)	32
5.	4 days training programme on Soil and Water Conservation Sponsored by: DoLR, MoRD, GoI	4 <sup>th</sup> to 7 <sup>th</sup> May 2009	Krishi Vigyan Kendra - Sylvan, Hengbung, Senapati District (Manipur)	33
6.	4 days training programme on Water Harvesting and Management Sponsored by: EDNERU, IGNOU	3 to 5 November, 2008	Krishi Vigyan Kendra-Sylvan, Hengbung, Senapati District, Manipur	32
7.	3 days training programme on Entrepreneur Development Program (EDP) on Soy Based Food Products Sponsored by: American Soybean	8 to 10 April, 2008	North-eastern Regional Institute of Science and Technology (NERIST), Nirjuli, Itanagar (Arunachal	37

	Association and IGNOU		Pradesh)	
8.	3 days training programme on Entrepreneurship Development programme on Soy based products Sponsored by: American Soybean Association and EDNERU, IGNOU	February 27-29, 2008	IGNOU, New Delhi	32
9.	3 days training programme on Watershed Management Sponsored by: EDNERU, IGNOU	18 to 20 December, 2007	SIRD, Jorethang, North Sikkim	34
10.	3 days training programme on Rainwater Harvesting and Watershed Management Sponsored by: EDNERU, IGNOU	26 to 28 September, 2007	3 days Kohima (Nagaland)	33
11.	5 days training programme on Watershed Management in North-Eastern Region Sponsored by: EDNERU, IGNOU	5 to 9 February, 2007	ICAR Research Complex for NEH Region Centre, Tripura Centre, Lembucherra (Tripura)	55

### 13. Details of Counselling sessions conducted

S. No.	Programme	Course	Place	Dates	Duration	Mode (Specify- Face to Face Radiocounselling, Teleconferencing, Webconferencing any other)
1.	SoA	Diploma Programmes of SOA	EMPC, IGNOU, New Delhi	15.3.2024	30 minutes	Radio counselling
2.	SoA	Educational Programmes of School of Agriculture	EMPC, IGNOU, New Delhi	6.3.2024	30 minutes	Radio counselling
3.	SoA	Certificate Programmes of SOA	EMPC, IGNOU, New Delhi	1.3.2024	30 minutes	Radio counselling
4.	CWHM	Introduction to Certificate in Water Rainwater Harvesting and Management Programme	EMPC, IGNOU, New Delhi	21.2.2024	30 minutes	Radio counselling
5.	PGCAP	Introduction to PG Diploma in Agribusiness Programme	EMPC, IGNOU, New Delhi	16.2.2024	30 minutes	Radio counselling
6.	CWHM	Introduction to CWHM programme	EMPC, IGNOU, New Delhi	16.2.2024	30 minutes	Radio counselling
7.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New	1.2.2024 to 8.2.2024	11 sessions	Face to Face

			Delhi			
8.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	21.8.2023 to 25.8.2023	11 sessions	Face to Face
9.	CWHM	Introduction to CWHM programme	EMPC, IGNOU, New Delhi	02.06.2023	30 minutes	Radio counselling
10.	DVAPFV	Diploma in Value Added Products from Fruits and Vegetables	EMPC, IGNOU, New Delhi	19.05.2023	30 minutes	Radio counselling
11.	CWHM	Indigenous Rainwater Harvesting for Sustainable Agriculture in Semi- Arid Regions	EMPC, IGNOU, New Delhi	19.05.2023	30 minutes	Radio counselling
12.	CPF	Introduction to Certificate in Poultry Farming	EMPC, IGNOU, New Delhi	16.9.2022	30 minutes	Radio counselling
13.	CWHM	Introduction to Certificate in Water Harvesting and Management (CWHM)	EMPC, IGNOU, New Delhi	16.9.2022	30 minutes	Radio counselling
14.	SoA Programmes	Open Session on Support Services for awareness generat ion and information of SoA P rogrammes	EMPC, IGNOU, New Delhi	23.8.2022	30 minutes	Teleconferencing
15	SoA Programmes	Certificate Programmes of School of Agriculture	EMPC, IGNOU, New Delhi	05.8.2022	30 minutes	Radio counselling
16.	CWHM	Introduction to Certificate Programme in Water Harvesting	EMPC, IGNOU, New Delhi	15.7.2022	30 minutes	Radio counselling
17.	CWHM	ONR-002: Introduction to Hydrology	EMPC, IGNOU, New Delhi	6.5.2022	30 minutes	Radio counselling
18.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	22.4.2021 to 12.5.2021	4 sessions	Online
19.	SoA Programmes	Agriculture programmes in IGNOU	EMPC, IGNOU, New Delhi	4.3.2022	30 minutes	Radio counselling
20.	SoA Programmes	Agriculture Programmes of IGNOU	EMPC, IGNOU, New Delhi	18.2.2022	30 minutes	Radio counselling

21.	SoA Programmes	Introduction to Agriculture Programmes of IGNOU	EMPC, IGNOU, New Delhi	7.1.2022	30 minutes	Radio counselling
22.	DWM	Watershed Management	EMPC, IGNOU, New Delhi	03.12.2021	30 minutes	Radio counselling
23.	PGCAP	Agricultural Policy	EMPC, IGNOU, New Delhi	3.12.2021	30 minutes	Radio counselling
24.	CWHM	ONRL-001	Virtually	13.11.2021 to 4.1.2022	6 sessions	Online
25.	CWHM	ONR-001, 002 and 003	Virtually	22.10.2021 to 9.11.2021	4 sessions	Online
26.	CWHM	Introduction to Certificate in Water Harvesting Management	EMPC, IGNOU, New Delhi	27.10.2021	30 minutes	Teleconferencing
27.	CWHM	Introduction to Certificate in Water harvesting and Management (CWHM) Programme	EMPC, IGNOU, New Delhi	17.9.2021	30 minutes	Radio counselling
28.	CWHM	ONR-003: जल संरक्षण (Water Conservation)	EMPC, IGNOU, New Delhi	20.9.2021	30 minutes	Teleconferencing
29.	CWHM	ONR-003: जल संरक्षण (Water Conservation)	EMPC, IGNOU, New Delhi	17.9.2021	30 minutes	Radio counselling
30.	CWHM and DWM	Human resource development for Water harvesting and Watershed Management	EMPC, IGNOU, New Delhi	20.8.2021	30 minutes	Radio counselling
31.	CWHM and DWM	Human resource development for Water harvesting and Watershed Management	EMPC, IGNOU, New Delhi	16.8.2021	30 minutes	Teleconferencing
32.	DWM	Design of Watershed Projects	EMPC, IGNOU, New Delhi	20.7.2021	30 minutes	Teleconferencing
33.	DWM	Design of Watershed Projects	EMPC, IGNOU, New Delhi	16.7.2021	30 minutes	Radio counselling
34.	CWHM	ONR-003: Water Harvesting for Crop Production	EMPC, IGNOU, New Delhi	4.6.2021	30 minutes	Radio counselling
35.	CPF	Certificate in Poultry Farming - An Overview, CPF	EMPC, IGNOU, New Delhi	16.4.2021	30 minutes	Radio counselling

36.	DWM	BNRI-104: Barani Kheti Ki Sankalpana	EMPC, IGNOU, New Delhi	19.3.2021	30 minutes	Radio counselling
37.	PGDDC	MDC-002: Water & Human Development	EMPC, IGNOU, New Delhi	18.3.2021	30 minutes	Radio counselling
38.	DWM	BNRI-103: Water Erosion	EMPC, IGNOU, New Delhi	19.2.2021	30 minutes	Radio counselling
39.	CWHM	ONR-002: Introduction to Hydrology	EMPC, IGNOU, New Delhi	15.1.2021	30 minutes	Radio counselling
40.	CWHM	ONRL-001	Virtually	4.1.2021 to 1.1.2021	6 sessions	Face to Face
41.	CWHM	Versha Jal Sanchayan	EMPC, IGNOU, New Delhi	4.12.2020	30 minutes	Radio counselling
42.	CWHM	ONR-001, 002 and 003	Virtually	1.12.2020 to 22.12.2020	8 sessions	Online
43.	CWHM	ONR-001: Jal Vigyan Ka Parichay	EMPC, IGNOU, New Delhi	6.11.2020	30 minutes	Radio counselling
44.	DWM	BNRI-101: Concept, Scope and Importance of Watershed Management	EMPC, IGNOU, New Delhi	22.10.2020	30 minutes	Radio counselling
45.	CWHM	ONR-001: Introduction to Water Harvesting	EMPC, IGNOU, New Delhi	2.10.2020	30 minutes	Radio counselling
46.	CWHM	Introduction to Certificate in Water Harvesting Management	EMPC, IGNOU, New Delhi	29.9.2020	30 minutes	Radio counselling
47.	DWM	Introduction to Diploma in Watershed Management	EMPC, IGNOU, New Delhi	18.9.2020	30 minutes	Radio counselling
48.	CWHM	ONR-003: Irrigation Methods and Water Conservation	EMPC, IGNOU, New Delhi	7.9.2020	30 minutes	Radio counselling
49.	CWHM	ONRL-001	Virtually	7.9.2020 to 11.9.2020	6 sessions	Online
50.	CWHM	ONR-002: Rainfall and its Measurements	EMPC, IGNOU, New Delhi	21.8.2020	30 minutes	Radio counselling
51.	DWM	BNRI-101: Watershed Management	EMPC, IGNOU, New Delhi	7.8.2020	30 minutes	Radio counselling
52.	CWHM	ONR-002: Artificial Ground Water Recharge	EMPC, IGNOU, New Delhi	17.7.2020	30 minutes	Radio counselling



53.	CWHM	ONR-002: Rainfall and its Measurement	EMPC, IGNOU, New Delhi	3.7.2020	30 minutes	Radio counselling
54.	DWM	BNRI-104: Definition and concept of rainfed farming	EMPC, IGNOU, New Delhi	19.6.2020	30 minutes	Radio counselling
55.	CWHM	ONR-003: Water Storage, Conservation and Utilization	EMPC, IGNOU, New Delhi	5.6.2020	30 minutes	Radio counselling
56.	CWHM	ONR-003: Water Harvesting Techniques	EMPC, IGNOU, New Delhi	15.5.2020	30 minutes	Radio counselling
57.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	25.03.2020 to 20.05.2020	18 sessions	Online
58.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	4.03.2019 to 11.05.2019	10 sessions	Face to Face
59.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	16.03.2019 to 10.05.2019	18 sessions	Face to Face
60	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	11.11.2018 to 15.12.2018	10 sessions	Face to Face
61.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	6.10.2018 to 8.12.2018	18 sessions	Face to Face
62.	CWHM	ONR-001: Water Resources and Rainwater Harvesting	EMPC, IGNOU, New Delhi	21.09.2018	1 hour	Radio counselling
63.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	14.5.2018 to 20.5.2018	10 sessions	Face to Face
64.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	11.4.2018 to 13.5.2018	18 sessions	Face to Face

65.	CWHM	ONR-002: Elementary Hydrology	EMPC, IGNOU, New Delhi	16.03.2018	1 hour	Radio counselling
66.	DWM	Introduction to Watershed Management	EMPC, IGNOU, New Delhi	02.02.2018	1 hour	Radio counselling
67.	CWHM	ONR-003: Water Storage Conservation and Utilization	EMPC, IGNOU, New Delhi	15.12.2017	1 hour	Radio counselling
68.	CWHM	ONRL-001	SPD, Shalimar Bagh, Delhi	4.11.2017 to 19.11.2017	10 sessions	Face to Face
69.	CWHM	ONR-001, 002 and 003	SPD, Shalimar Bagh, Delhi	11.10.2017 to 29.10.2017	18 sessions	Face to Face
70.	DWM	Introduction to DWM Programme	EMPC	29.09.2017	1 hour	Radio counselling
71.	CWHM	ONR-002: Water and Harvesting Hydrology	EMPC	2.09.2017	1 hour	Radio counselling
72.	CWHM	ONR-003: Methods of Water Harvesting	EMPC	07.07.2017	1 hour	Radio counselling
73.	CWHM	Introduction to CWHM Programme	EMPC	23.06.2017	1 hour	Radio counselling
74.	CWHM	ONRL-001	Regional Centre, Delhi-2	17.10.2016 to 22.10.2016	10 sessions	Face to Face
75.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	17.09.2016 to 23.10.2016	18 sessions	Face to Face
76.	CWHM	ONRL-001	Regional Centre, Delhi-2	30.4.2016 to 8.5.2016	10 sessions	Face to Face
77.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	12.3.2016 to 14.5.2016	18 sessions	Face to Face
78.	CWHM	ONRL-001	Regional Centre, Delhi-2	01.11.2015 to 28.11.2015	10 sessions	Face to Face
79.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	25.9.2015 to 15.11.2015	18 sessions	Face to Face
80.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	28.2.2015 to 24.5.2015	18 sessions	Face to Face
81.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	18.4.2015 to 10.5.2015	10 sessions	Face to Face

82.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	20.9.2014 to 23.11.2014	18 sessions	Face to Face
83.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	02.11.2014 to 07.11.2014	10 sessions	Face to Face
84.	CWHM	ONR-002	EMPC, IGNOU	02.07.2014	1 hours	Radio counselling
85.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	25.5.2014	2 hours	Face to Face
86.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	10.5.2014 to 17.5.2014	10 sessions	Face to Face
87.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	22.3.2014 to 4.5.2014	11 sessions	Face to Face
88.	DWM	Introduction to DWM Programme	EMPC, IGNOU	16.3.2014	1 hours	Radio counselling
89.	CWHM	ONRL-001	SoA, IGNOU, Maidan Garhi, New Delhi	14.10.2013 to 20.11.2013	6 sessions	Face to Face
90.	CWHM	ONR-001, 002 and 003	SoA, IGNOU, Maidan Garhi, New Delhi	21.9.2013 to 10.11.2013	14 sessions	Face to Face
91.	CWHM and DWM	Introduction to DWM and CWHM Programmes	EMPC, IGNOU	15.9.2013	1 hours	Radio counselling
92.	DWM	BNRI-101	EMPC, IGNOU	2.6.2013	1 hours	Radio counselling
93.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	09.3.2013 to 05.05.2013	10 sessions	Face to Face
94.	CWHM	ONR-001	EMPC, IGNOU	17.4.2013	1 hours	Radio counselling
95.	DWM	BNRI-101	EMPC, IGNOU	20.2.2013	1 hours	Radio counselling
96.	CWHM	ONR-002	EMPC, IGNOU	16.12.2012	1 hours	Radio counselling

97.	CWHM	ONRL-001	Regional Centre, Delhi-2	14.10.2012 to 11.11.2012	10 sessions	Face to Face
98.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	15.9.2012 to 10.11.2012	10 sessions	Face to Face
99.	CWHM	ONRL-001	Regional Centre, Delhi-2	07.04.2012 to 28.4.2012	8 sessions	Face to Face
100.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	24.3.2012 to 06.05.2012	7 sessions	Face to Face
101.	CWHM	ONRL-001	Regional Centre, Delhi-2	16.10.2011 to 10.11.2011	10 sessions	Face to Face
102.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	10.09.2011 to 09.10.2011	10 sessions	Face to Face
103.	CWHM	Introduction to CWHM Programme	EMPC, IGNOU	30.10.2011	1 hours	Radio counselling
104.	DWM	Introduction to DWM Programme	EMPC, IGNOU	12.6.2011	1 hours	Radio counselling
105.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	27.3.2011 to 17.4.2011	4 sessions	Face to Face
106.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	21.8.2010 to 24.10.2010	4 sessions	Face to Face
107.	CWHM	Introduction to CWHM Programme	EMPC, IGNOU	12.9.2010	1 hours	Radio counselling
108.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	21.2.2010 to 28.3.2010	3 sessions	Face to Face
109.	DWM	DWM Programme Introduction	EMPC, IGNOU	28.2.2010	1 hours	Radio counselling
110.	CWHM	ONR-001, 002 and 003	Regional Centre, Delhi-2	02.08.2009 to 25.10.2009	5 sessions	Face to Face
111.	DWM	Programme Introduction	EMPC, IGNOU	13.09.2009	1 hours	Radio counselling
112.	CWHM	ONR-001	EMPC, IGNOU		1 hours	Radio counselling
113.	DPVCPO	Processing of Pulses and Oilseeds	EMPC, IGNOU	13.09.2008	45 minutes	Teleconferencing
114.	DWM	Programme Introduction	EMPC, IGNOU	13.09.2009	1 hours	Radio counselling
115.	CWHM	Introduction to CWHM Programme	EMPC, IGNOU	13.6.2009	1 hours	Radio counselling
116.	CWHM	Introduction to CWHM Programme	EMPC, IGNOU	07.12.2008	1 hours	Radio counselling
117.	DPVCPO	Introduction to DPVCPO Programme	EMPC, IGNOU	07.09.2008	1 hours	Radio counselling

118.	DPVCPO	Introduction to DPVCPO Programme	EMPC, IGNOU	07.07.2008	45 minutes	Teleconferencing
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**14. Details of Patents granted (if any): NIL**

**15. Contribution to IGNOU's corporate life**

S. No.	Chairperson/ Member of Committee	Name of the Committee	Date/ period
1.	Member	Committee to implement PM-Surya Ghar-Muft Bijli Yojana (PMSGMBY) in IGNOU	29.08.2024
2.	Member	Sub Committee IGNOU Employees Cooperative Thrift & Credit Society Ltd.	11.05.2018
3.	Member	Organising Committee for Model Training Course Development and Delivery of e-learning material in Agriculture extension.	27.09.2017
4.	Member	Scrutiny Committee of School of Agriculture to review purchase of books	04.08.2017
5.	Member	Committee to Create Water Harvesting System in the Campus	22.05.2013 to till date

**16. Administrative position/s held in the University (even as in charge)**

S. No.	Designation	Period
NIL	NIL	NIL

**17. Any other contribution/information**

- Co-Organising Secretary of 32<sup>nd</sup> National Conference on Soil, Water, and Energy Management for Sustainable Agriculture and Livelihood Security Organized by the Soil Conservation Society of India-State Chapter UP at Kanpur, U.P. during 18-20 October 2024.
- Co-Organising Secretary of 5<sup>th</sup> International Conference on Sustainable Natural Resource under Global Climate Change, Organized by the Soil Conservation Society of India at New Delhi, India during 7-10<sup>th</sup> November 2023
- Organising Committee Member of 31<sup>st</sup> National Conference on "Innovative resource management approaches for coastal and inland ecosystems to sustain productivity and climate resilience" Organized by Soil Conservation Society of India, New Delhi in collaboration with Navsari Agricultural University, Navsari, Gujarat, India at Navsari Agricultural University, Navsari, Gujarat, India, during October 13-15, 2022.
- Organising Committee Member of 2<sup>nd</sup> Asian Web Conference on Managing Hill Resources and Diversities for Zero Hunger and Climate Resilience", Organized by Soil Conservation Society of India, New Delhi in collaboration with Central Agricultural University, Imphal, India from 12-13 February 2021.
- Organising Committee Member of 30<sup>th</sup> National Web-Conference "Soil and Water Management Technologies for Climate Resilience, Agricultural and Environmental Sustainability" Organized by Soil Conservation Society of India, New Delhi in collaboration with ICAR-Indian Institute of Water Management, Bhubaneswar, Odisha, India from 14-16 December 2021.
- Organising Secretary of 29<sup>th</sup> National Web-Conference on Sustainable Soil and Water Management for Bio-diversity Conservation, Food Security and Climate Resilience Income Organised by the Soil Conservation Society of India during 29-30 December, 2020

- Organising Committee Member of 4<sup>th</sup> International Conference on Soil and Water Resources Management for Climate Smart Agriculture and Global Food and Livelihood Security”, Organized by Soil Conservation Society of India, New Delhi from 5 to 9 November 2019 at NASC Complex, Pusa, New Delhi.
- Organising Committee Member of 28<sup>th</sup> National Conference on Farmers’ Friendly Soil and Water Conservation Technologies for Mitigating Climate Change Impact Organised by the Soil Conservation Society of India during 31 January to 2 February 2019 at Udthagamandalam, Tamil Nadu.
- Organising Committee Member of 27<sup>th</sup> National Conference of Soil Conservation Society of India (SCSI) New Delhi on Sustainable Management of Soil and Water Resources for Doubling Farmers’ Income Organised by the Soil Conservation Society of India during 25-27 October, 2018 at Assam Agricultural University, Jorhat, Assam.
- Organising Committee Member of 26<sup>th</sup> National Conference on “Natural Resource Management for Climate Smart Sustainable Agriculture” Organised by the Soil Conservation Society of India at College of Post Graduate Studies, Umiam (Barapani), Meghalaya during September 11-13, 2017.
- Organising Committee Member of 1<sup>st</sup> Asian Conference WLMFLS-2017 on Water and Land Management for Food and Livelihood” held at Raipur, Chhattisgarh, India during January 20-22, 2017.
- Organising Committee Member of 25<sup>th</sup> National Conference on “Natural Resource Management in Arid and Semi-Arid Ecosystem for Climate Resilient Agriculture and Rural Development” during 17-19 February, 2016, Organised by the Soil Conservation Society of India at Swami Keshwan and Rajasthan Agricultural University, Bikaner (Rajasthan)
- Organising Committee Member of 3<sup>rd</sup> International conference on Natural Resource Management for Food Security and Rural Livelihoods organized by the Soil Conservation Society of India at NASC complex, New Delhi during 10-13 Feb. 2015.
- Successfully completed Post Graduate Diploma in Distance Education from Indira Gandhi national Open University in 2017.
- Successfully completed Master in Art (Distance Education) from Indira Gandhi national Open University in 2018.

**Signature of Teacher /Academic**