Dr Vasudev Meena
Scientist (SS)
(Agronomy)
Email: vdmeena84@gmail.com
Vasudev.Meena@icar.gov.in
Phone: 05644-260379/260495
Fax: 05644-260565

1.	Date of Birth	:	01-02-1984
2.	Education Qualification	:	Ph.D. (Weed Science), MPUAT-Udaipur (2018); M. Sc. (Weed Science), JNKVV, Jabalpur (2008); B. Sc. (Ag), ANGRAU, Hyderabad (2006)
3.	Joining Date in ICAR	:	15-09-2011
4.	Joining Date in DRMR	:	25-01-2021
5.	Discipline/Specialization	:	Weed Management, Natural Resource Management
6.	Research Experience	:	10 Years

7. Contribution to the scientific advancement

- ✓ Weed management technology for late sown wheat
- ✓ Management of non-cropped weeds using herbicides
- ✓ Find out the suitability of sewage water irrigation for agricultural use
- ✓ Identified long term impact of sewage irrigation on crop quality and soil health
- ✓ Impact of sewage irrigation on carbon sequestration
- ✓ Use of fly ash in agriculture for sustainable crop protection and environmental protection
- ✓ Non Point Sources of Phosphorus Loading to Upper Lake, Bhopal

8. Current Research Projects & Future planning of research

- ➢ Identification of economical weed management technology for rapeseed-mustard productivity improvement
- ➢ Identification of technology for alleviation of salinity and water stress in rapeseed-mustard crop

9. Publication (Research Paper- Best 10)

1. **Meena VD**, Kaushik MK, Dotaniya ML, Meena BP and Das H (2019) Bio-efficacy of readi-mix herbicides on weeds and productivity in late-sown wheat. Ind. J Weed Sci 51(4): 344-351.doi: 10.5958/0974-8164.2019.00073.X.

2. **Meena VD**, Kaushik MK, Meena SK and Bhimwal JP (2017) Influence of pre and post emergence herbicide application on weed growth and nutrient removal in wheat (*Triticum aestivum* L.). J Pharmaco Phytochem 6(6): 2413-2418.

3. **Meena VD**, Kaushik MK, Verma A, Upadhayay B, Meena SK and Bhimwal JP (2017) Effect of herbicide

and their combinations on growth and productivity of wheat (*Triticum aestivum* L.) under late sown condition. Int J Chem Stud 5(6): 1512-1516.

4. **Meena VD**, Dotaniya ML, Coumar V, Rajendiran S, Kundu S, Rao AS (2013) A case for silicon fertilization to improve crop yields in tropical soils. Proc Natl Acad Sci India, Sect B: Biol Sci 84: 505-518. doi: 10.1007/s40011-013-0270-y.

5. Dotaniya ML, Saha JK, Rajendiran S, Vassanda Coumar M, **Meena VD**, Das H, Ajay Kumar and Patra AK (2019) Reducing chromium uptake through application of calcium and sodium in spinach. Environ Monit Assess 191 (12): 754. doi: 10.1007/s10661-019-7948-4.

6. Dotaniya ML, Saha JK, Rajendiran S, Vassanda Coumar M, **Meena VD**, Kundu S and Patra AK (2019) Chromium toxicity mediated by application of chloride and sulfate ions in Vertisol of Central India. Environ Monit Assess 191(7): 429.doi: 10.1007/s10661-019-7563-4.

7. Dotaniya ML, Rajendiran S, **Meena VD**, Vassanda Coumar M, Saha JK, Kundu S, and Patra AK (2018) Impact of long-term application of sewage on soil and crop quality in Vertisols of Central India. Bull Environ Contam Toxicol 101(6): 779-786.

8. Dotaniya ML, Rajendiran S, Vassanda Coumar M, **Meena VD**, Saha JK, Kundu S, Kumar A and Patra AK (2018) Interactive effect of cadmium and zinc on chromium uptake in spinach grown in Vertisol of Central India. Int J Environ Sci Technol 15:441-448.doi: 10.1007/s13762-017-1396-x.

9. Prajapati K, Rajendiran S, Vassanda Coumar M, Dotaniya ML, **Meena VD**, Srivastava A, Khamparia NK, Rawat AK, Kundu S (2015). Bio-sequestration of carbon in rice phytoliths. Nat Acad Sci Lett 38(2): 129-133. doi: 10.1007/s40009-014-0313-9.

10. Adhikari T, Kundu S, **Meena VD** and Rao AS (2014) Utilization of nano rock phosphate by maize (*zea mays* l.) crop in a Vertisol of Central India. J Agric Sci Technol 4: 384-394.

Other information

Google scholar- https://scholar.google.com/citations?hl=en&user=33zth80AAAAJ
Researchgate - https://www.researchgate.net/profile/Vasudev_Meena2