

1. **Name** : Dr. Yogesh M. Shukla
2. **Designation** : Unit Officer AAU, Vaso
3. **PROFRSSIONAL EXPERIENCE** :

TEACHING : **27 Years (UG & PG)**

RESEARCH : **M.Sc. Guided : 14 Presently working : 1**
Ph.D. Guided : 07 Presently working : 5

PROJECTS HANDLED:

- a. **Departmental projects** : **15**
- b. **State Government Project (GSBTM)** : **02**

4. **PUBLICATIONS:**

a) **Book** : **02**

- i. A book on Plant Secondary Metabolites (2009). : **Y.M. Shukla**, Jitendra J. Dhruve, N.J. Patel, Ramesh Bhatnagar, J.G. Talati and K.B. Kathiria. : ISBN No. 978-81-90851-22-0 NIPA Publication , New Delhi.
- ii. A book on Wheat (*Triticumaestivum* L. and *Triticum durum* L.). Zala, H. N., Kulkarni, K. S. and **Shukla. Y. M. (2013)**. Molecular and biochemical characterization for drought stress. ISBN: 978-3-639-51441-4, Scholar's Press, AV Akademikerverlag GmbH & Co. KG, Germany.

b) **Book Chapters** : **01**

- i. Tania Das and **Shukla YM (2014)**. Brassinosteroids – As an Amelioretic Agent Against Salinity Stress in Cereals. In Innovations in Plant Sciences and Biotechnology. Ed. By Wani, Malik, Hora and Kaur. Published in AGROBIOS (INDIA), Jodhpur.

c) **Manual** : **01**

Bhatnagar R., **Shukla YM** and Talati J.G. (2007). Biochemicals methods for agriculture science.

d) **Research papers published ISSN journal** : **35**

- i. **International Journal** : **08**
- ii. **National Journal** : **27**

e) **Research paper presented in Seminar/Symposia/Conference** : **50**

f) **Popular articles** : **12** (Gujarati Articles)

5. **EXTENSION RELATED ACTIVITIES :**

- a) **TV Talk** : **01**
- b) **Participation in Krushimahotsav** : **04**
- c) **Scientific recommendations** : **03**
- d) **Contribution in variety release** : **01**
- e) **Resource Person in Training** : **07**
- f) **P.G. Incharge (In Agril. Faculty)** : **Since 2009**

6. **MEMBERSHIP :**

- a) Life Member: 06 organizations (ISPBB, ISAB, ISAP, GAAS, Vigyan Gurjari, MAP)
- b) Member of Biotechnology Research Committee.
- c) Member of P.G. Board of Studies of AAU
- d) Secretary of Vigyan Gurjari, Gujarat.

7. **AWARD** : **03 (State level)**

8. **PROFESSIONAL DEVELOPMENT ACTIVITIES :**

- a) Participation in Trainings/Winter School/Advanced Courses/Short Courses : 08
- b) Participation in International Seminars : 03
- c) Participation in National Seminars : 10
- d) Participation in State Level Seminars : 17

9. MAJOR CONTRIBUTION:

- a) Transcriptome analysis for downy mildew resistance in Bajra and Isabgol. Sequences related to downy mildew resistance were identified, validated and submitted to NCBI.
- b) Work on pathogenesis related proteins and their possible role in wilt disease resistance. Protocols development for various stress related enzymes, endogenous genes and stress proteins.
- c) Molecular and biochemical characterizations in genotypes of small millets *i.e.* Finger millet and Amaranthus.
- d) Genetic transformation of Nucleotide Binding Site-Leucine Rich Repeat (NBS-LRR) of *Mi* gene for developing resistance against *Meloidogyne incognita* in tomato (*Solanum lycopersicum* L.).