

- **Publication**

List of Research Papers in International Journal

1. **Macwan, S. J.**, Upadhyay, N. V., **Shukla, Y. M.**, & Vaishnav, P. R. (2016), Effect of paclobatrazole and culture vessels on microtuber production in Potato (*Solanum tuberosum* L.) *International Journal of Agriculture Sciences*. 8(54), 2843-2845.
2. **Macwan S. J.**, Vaishnav P. R., **Shukla, Y. M.**, & Upadhyay, N. V. (2016) Effect of nitrate nutrition during *in vitro* phase of potato microtuber production. *International Journal of Agriculture Sciences* 8 (59) : 3298-3300
3. **D.B.Patel**, R.S. Bhadane, J.J.Dhruva and **Y.M.Shukla** (2017). Effect of seed harding chemical on morpho-physiological attributes in Green gram (*Vigna radiata* L.).*International J.of Chemical studies*,5(6).
4. K.R.Prajapati, **D.B.patel**, Patil Kalyan Rao and R.S. Bhadane (2017) Effect of seed harding on morpho-physiological and yield parameters in Black gram (*Vigna mungo* L.). *International J. of Chemical studies*,5(4),439-441.
5. K.R.Prajapati, **D.B.patel**, Patil Kalyan Rao and R.S. Bhadane (2017) Effect of seed harding on seed quality parameters in Black gram (*Vigna mungo* L.).*Trends in Biosciences*,10(27),5839-5841.
6. **S.J Macwan**,**YM.Shukla**, P.R.Vaishnav and N.V.Upadhyay (2017).Effect of different tuberisation methods for induction of in vitro microtuber in potato (*Solanum tuberosum* L.) *International Journal of Agriculture Sciences*,9 (24):4285-4287
7. **S.J Macwan**, P.R.Vaishnav, N.V.Upadhyay and **YM.Shukla** (2017).Effect of photoperiod and different growth substances on microtuber production of potato (*Solanum tuberosum* L.) *International Journal of Agriculture Sciences*,9 (27):4349-352
8. **S.J Macwan**, N.V.Upadhyay, **YM.Shukla** and P.R.Vaishnav (2017).Effect of growth regulators on potato microtuber formation and storage effect on microtuber dormancy .*International Journal of Agriculture Sciences*,9(30):4408-4411
9. **S.J Macwan**, N.V.Upadhyay, **YM.Shukla** and P.R.Vaishnav (2017).Effect of Cultivar, Growth Regulators and CaCl₂ on *In Vitro* Culture of Potato (*Solanum tuberosum* L.) *International Journal of Agriculture, Environment and Biotechnology*.10(3):283-288
10. M.Z. Malek, R.S. Bhadane, **D.B. Patel** &S.N. Tadv (2018).Effect of micro-nutrients on morpho-physiological, biochemical parameters and yield in black gram (*Vigna mungo* L.). *International journal of chemical studies*.6(3):2418-2421

11. M.Z. Malek, R.S. Bhadane, **D.B. Patel** and S.N. Tadvī (2018). Dry matter partitioning in black gram (*Vigna mungo* L.) influenced by micro-nutrients application. *International journal of chemical studies*. 6(3):2422-2425
12. J.J. Macwan, M.J. Patel, & **S.J. Macwan** (2019) Effect of Plant Growth Regulators on growth, yield and quality of sweet orange [*Citrus sinensis*(L.) Osbeck] CV. Phule Mosambi. *International journal of chemical studies*. 7(4):2086-2089
13. Shekhada, R.R., **Macwan, S.J.**, & Motka, G.N. (2021). Effect of phytohormones on morphophysiological parameter of Kalmegh (*Andrographis paniculata* Nees). *International Journal of chemical studies*, 9(2), 400-403
14. Rathod, K. D., Patel, M. J., **Macwan, S.J.** & Patel, J. S. (2022). Effect of Biofertilizers and Bioinoculants on Yield and Quality of Mango cv. Mallika. *Biological Forum – An International Journal*, 14(3):1343-1349
15. Shekhada, R.R., **Macwan, S.J.** Patel, N. J. & Gajbhiye, N.A. (2022). Role of Growth Regulators on Quality and Yield of Kalmegh (*Andrographis paniculata* Nees). *International Journal of Economic Plants*, 9(4):294-298
16. Shekhada, R.R., **Macwan, S.J.** & Singh, T.A. (2022). Paclobutrazole, NAA and GA₃ Effects on Growth and Dry Matter Partitioning of *Andrographis paniculata* Nees. *International Journal of Economic Plants*, 9(4):316-322
17. Chaudhary, K.B., Macwan, S.J., Thounanojam, A.S., & Bhadane, R.S. (2023). Effect of plant growth substances on morphophysiological parameter of green gram (*Vigna radiata* L.). *International Journal for Research Trend and Innovation*, 12(8), 354-357
18. Dabhi, D.M., Patel, M.J., & Macwan, S.J., (2023). Effect of organic substance and plant growth regulators on yield attributes and quality of Guava cv Lucknow 49. *Bangladesh J. Bot.*, 52(4), 971-978.
19. Ghadiali, J. J., Macwan, S. J., Bhanvadia, A. S., & Patel, K. S. (2023). Effectiveness of Paclobutrazole application on improvement of groundnut (*Arachis hypogaea* L.) yield under water deficit conditions. *International journal of Plant & Soil Science* 35(23), 500-509.
20. Ghadiali, J. J., Macwan, S. J., Shukla, Y. M., & Chaudhary, K. B. (2023). Effect of water stress and paclobutrazole on proline and total antioxidant activity in groundnut (*Arachis hypogaea* L.). *International journal of Plant & Soil Science* 13(12), 586-592.
21. Ghadiali, J. J., Sahoo, C., & Macwan, S.J. (2023). Evaluating effect of boron and molybdenum micronutrient application methods on growth in groundnut (*Arachis hypogaea* L.). *International journal of Plant & Soil Science*, 35(20), 397-409.
22. Saumya S., Trivedi, A., Choudhary, K. B., & Ghadiali, J.J. (2024). Global climate change and its effects on medicinal and aromatic plants. *International Journal of Environment and Climate Change*, 14(2) 149-160.

List of Research Papers Publication in National Journals

1. Kadam S. D., **Shukla Y. M.**, Gupta P., and Zala H. (2015). Studies on the genetic Diversity of wheat genotypes (*Triticum duum* L.) in response to drought stress through isozyme markers. *Indian J. Agric. Biochem.*, 28(1) : 39-47
2. Dhruve J. J., **Shukla Y. M.**, Shah Rutika, Patel Jignesh and Talati J. G. (2015). Contribution of Okra(*Abelmoschus esculntus* L.) seed towards the nutritional characterization. *World J. of pharmacy and pharmaceutical Sciences*, 4(7) : 1009-10023. (ISSN 2278-4357)
3. Das Tania, Meena Mamata and **Shukla Y. M.** (2015). Efficacy of Brassinolide on protein profile by SDS-PAGE and antioxidant enzymes in rice (*Oryza sativa* L.) under saline condition. *Res. J. Agril. Sciences*, 6(4) : 785-790
4. **S.J.Macwan, D.B.Patel** and **Y.M.Shukla** (2018) Physiological investigation on productivity in maize (*Zea mays* L.) genotypes. A ISPP West Zonal seminar on *Emerging Trends in Plant Physiology for Crop Production under Climate Change Scenario* on 4th August, 2018. At M.P.K.V. Rahuri. pp:415
5. Goswami,P.B., Sitapara,H.H.and **Mecwan, S.J.** (2022). Effect of integrated nutrient management on growth and yield of Indian bean (*Dolichos lablab* L.) cv. Gujarat papadi 1, *The Pharma Innovation Journal*,11(9): 759-763
6. Parmar,F.R., Panchal, B.H., **Macwan,S.J.**, & Patel,S.A. (2022). Effect of packaging materials and calcium chloride on storage and shelf life of broccoli under cold storage condition. *The Pharma Innovation Journal*, SP-11(9),2278-2284
7. Choudhary, K. B., Macwan, S. J., Dhruv, J. J., Ghadiali J. J., & Saumya Shruti (2023). Impact of Plant growth regulators and chemicals on growth and quality in green gram (*Vigna radiate* L.) cv. *The Pharma Innovation Journal*,12(3),1938-1941
8. Faldu T.A., Trivedi A. P., Chaudhary K. B., Macwan S. J. & Thounaojam, A. S. (2023). Effect of micronutrients and plant growth regulator on grading of bulb, biochemical and mineral components of onion (*Allium cepa* L.) cv. GAWO-2. *The Pharma Innovation Journal* 2023; 12(10), 878-884
9. Patel,K.P.,Panchal,B.H.,& **Macwan,S.J.**(2023).Efect of Bio-NPK and different level of organicmanures on growth,yield and quality of cauliflower (*Brassica oleraceae* var botrytis.) var Pusa Snowball K1. *The Pharma Innovation Journal*,12(9),1751-1758

- **Book / Book Chapter Published**

A book published entitled "PG Student Research work on plant physiology (1965-2021)" Edited by **Dr.Sunil.J.Macwan**