

Dr. Sahib Alam

List of Publications

1. **Sahib Alam**, N. A. Khan, M. S. Hashmi, A. Khan, A. S. Shah. 2018. Effect of dietary intake of aflatoxin B1 on the performance and tissue distribution of AFB1 and AFM1 residues in broiler chickens. *Mycotoxin Research*. Under review.
2. Ahmad, M., **Sahib Alam**, W. Ahmad, I. Jan, A. Zia. 2018. Application of the 4R nutrient stewardship concept for growing off-season tomatoes in high tunnels. *Journal of Soil Science and Plant Nutrition*. 18 (4): 989-1001.
3. Siddiq, M., **Sahib Alam**, H. U. Shah, Z. Iqbal, K. Siddiq and T. Ahmad. 2018. Sensory Evaluation of Olive and Palm Oil Blends During Frying of Potato Chips. *Sarhad Journal of Agriculture*. 34(3): 690-695.
4. Habibullah, **Sahib Alam**. 2018. Impact of Biochar and Nitrogen Application on Soil Physicochemical Attributes at Various Growth Stages of Maize and Subsequent Wheat Crop. *Sarhad Journal of Agriculture*. 34(2): 368-377.
5. Gulsanga, Z. Anjum, **S. Alam**, F. Shehzad. 2018. Heavy metals and mineral contents of beef sold at University Campus, Peshawar. *Sarhad Journal of Agriculture*. 34(2): 471-477.
6. Zeb, F., M. Safdar, S. Khan, **S. Alam**, M. Muhammad, A. Syed, P.R. Nasrullah, F. Habib and H. Shakoor. 2018. Supplementation of garlic and coriander seed powder: Impact on body mass index, lipid profile and blood pressure of hyperlipidemic patients. *Pakistan Journal of Pharmaceutical Sciences*. 31 (5): 1935-1941.
7. Manzoor, N., A. Zia, M. N. Ahmad, R. Ullah, **S. Alam**, S. Jalil, D. Zia. 2018. Assessing foliar application of chitosan and humic acid on soil solution partitioning of *Pisum sativum*. *International Journal of Biosciences*. 12(1):252-265.
8. Alam, A, S. Ullah, S. Aftab, **S. Alam**, Y. Khan, K. Rahman, Zahoor. 2016. Evaluation of *Sirogonium sticticum*, *Uronema elongatum*, *Chroococcus turgidus* and *Temnogyra reflexa* for biodiesel production in Pakistan. *Biofuels*. 8: 391-399.
9. Ullah, H., **S. Alam**, H.U. Shah, M. Ullah, A. Zeb, S. Kamran, G.R. Khan, R. Gul. 2016. Biochemical screening of advanced potato lines for tolerance against *Rhizoctonia solani*. *International Journal of Development Research*. 6: 9064-9068.
10. Ullah, H., **S. Alam**, H.U. Shah, M. Ullah, A. Zeb, S. Kamran, A. Sami. 2016. Analysis of physicochemical attributes of potato lines infected with *Rhizoctonia solani*. *International Journal of Biosciences*. 9:415-420.
11. Humaira, T. Samreen, M. Javid, M. Amin, H.U. Shah, S. Ullah, **S. Alam**. 2015. Effect of Zinc on Physico-chemical Parameters of Hydroponically grown Rice Varieties. *Middle East Journal of Agriculture Research*. 4: 395-403.
12. Jabeen, S., **S. Alam**, M. Saleem, W. Ahmad, R. Bibi, F.S. Hamid, H.U. Shah. 2015. Withering timings affect the total free amino acids and mineral contents of tea leaves during black tea manufacturing. *Arabian Journal of Chemistry*. [DOI:10.1016/j.arabjc.2015.03.011](https://doi.org/10.1016/j.arabjc.2015.03.011).
13. Alam, A., S. Ullah, **S. Alam**, H.U. Shah, S. Aftab, M. Siddiq, N. Manzoor. 2015. Influence of culture media and carbon sources on biomass productivity and oil content of algae *Sirogonium sticticum*, *Temnogyra reflexa*, *Uronema elongatum* and *Chroococcus tergidus*. *Turkish Journal of Botany*. 39:599-605.
14. Khan, A.A., M. Sajid, A. Rab, **S. Alam**, A. Bari. 2014. Effect of Potassium sources on the growth, yield and fruit quality of tomato cultivars. *Sarhad Journal of Agriculture*. 30(4): 442-450.

15. Khan, N.A., S. Hussain, N. Ahmad, **S. Alam**, M. Bezabhi, W.H. Hendriks, P. Yu, J.W. Cone. 2014. Improving the feeding value of straws with *Pleurotus ostreatus*. *Animal Production Science*. 55(2): 241-245.
16. **Alam, S.**, H. U. Shah, N. A. Khan, A. Zeb, A. S. Shah, N. Magan. 2014. Water availability and calcium propionate affect fungal population and aflatoxins production in broiler finisher feed during storage. *Food Additives and Contaminants: Part A*. 31(11):1896-1903.
17. **Alam, S.**, H.U. Shah, M. Afzal, N. Magan. 2014. Influence of calcium propionate, water activity and storage time on mold incidence and aflatoxins production in broiler starter feed. *Animal Feed Science and Technology*. 188:137-144.
18. **Alam, S.**, H. U. Shah, H. Khan, N. Magan. 2012. The effect of substrate, season and agroecological zone on mycoflora and aflatoxin contamination of poultry feed from Khyber Pakhtunkhwa, Pakistan. *Mycopathologia*. 174(4):341-349.
19. Saleem, U., H. U. Shah, A. A. Shad, **S. Alam**. 2012. The role of rhizospheric *Aspergillus flavus* in standing maize crop contamination in different ecological zones of Khyber Pakhtunkhwa, Pakistan. *African Journal of Biotechnology*. 11 (34): 8433-8440.
20. Zulqarnain, F. Mahmood, H. U. Shah, **S. Alam**, M. Khan and M. A. Sabir. 2012. Comparison of various preservation technologies on physicochemical and organoleptic characteristics of Oyster mushrooms. *Journal of Chemical Society of Pakistan*. 34 (1): 173-176.
21. Parveen, N., **S. Alam**, S. Rahman, Q. Khan. 2012. Comparative lipid profile and blood pressure studies in diabetic non-proliferative and proliferative retinopathic male patients. *Journal of Medical Sciences*. 20 (1):37-40.
22. Shah, H. U., U. L. Khan, **S. Alam**, A. A. Shad, Z. Iqbal and S. Parveen. 2011. Effect of home cooking on the retention of various nutrients in commonly consumed pulses in Pakistan. *Sarhad Journal of Agriculture*. 27 (2): 279-284.
23. Shah, H. U., T. J. Simpson, **S. Alam**, K. F. Khattak, S. Parveen, 2010. Mould incidence and mycotoxin contamination in maize kernels from Swat Valley, North West Frontier Province of Pakistan. *Food and Chemical Toxicology*. 48:1111-1116.
24. **Alam, S.**, H. U. Shah, N. Magan. 2010. Effect of calcium propionate and water activity on growth and aflatoxins production by *Aspergillus flavus*. *Journal of Food Science*. 75: 61-64.
25. **Alam, S.**, H. U. Shah, N. Magan, J. I. Qazi, M. Arif. 2010. Effect of calcium propionate and water activity on growth and aflatoxins production by *Aspergillus parasiticus*. *Pakistan Journal of Zoology*. 42:57-62.
26. **Alam, S.**, H. U. Shah, N. Magan. 2009. Water availability affects extracellular hydrolytic enzyme production by *Aspergillus flavus* and *Aspergillus parasiticus*. *World Mycotoxin Journal*. 2(3): 313-322.
27. **Alam, S.**, H. U. Shah, Saleemullah and A. Riaz. 2007. Comparative studies on storage stability of ferrous iron in whole-wheat flour and flat bread (Naan). *International Journal of Food Science and Nutrition*. 58(1): 54-62.
28. Shah A. S., A. Zeb, M. Khan, M.M. Hashim, **S. Alam**, I. Hassain. 2008. Effect of irradiation on the microbial and physicochemical quality and storage stability of dehydrated bitter melon. *Advances in Food Sciences*. 30 (4): 218-222.
29. Shah, A.S., **S. Alam**, M. M. Hashim, M. S. Hashmi and A. Riaz. 2007. Effect of stabilizers and storage time on the overall quality of tomato paste. *Sarhad Journal of Agriculture*. 23 (4): 1137-1140.
30. **Alam, S.**, M.S. Hashmi, A. S. Shah, U. L. Khan. 2007. Comparative storage studies on the organoleptic attributes of iron fortified whole wheat flour. *Sarhad Journal of Agriculture*. 23 (4): 1121-1126.
31. Shah, A.S., A. Zeb, **S. Alam**, M.M. Hashim, M.S. Hashmi and A. Riaz. 2007. Effects of dehydration, packaging and irradiation on the microbial and sensory quality of bitter melon. *Sarhad Journal of Agriculture*. 23 (3): 781-785.

32. Khan, R., **S. Alam**, S. Ali, S. Bibi, and I. A. Khalil. 2007. Dietary fiber profile of food legumes. *Sarhad Journal of Agriculture*. 23 (3): 763-766.
33. Hashmi, M.S., **S. Alam**, A. Riaz and A. S. Shah. 2007. Studies on microbial and sensory quality of mango pulp storage with chemical preservatives. *Pakistan Journal of Nutrition*. 6(1): 85-88.
34. **Alam, S.**, H. U. Shah, M. S. Hashmi and M. Suleman. 2006. Biochemical and microbiological studies of iron fortified whole wheat flour. *Sarhad Journal of Agriculture*. 22: (4) 673-679.
35. Hashmi, M.S., M. Ayub, A. Zeb, M. M. Hashim, **S. Alam** and A. Riaz 2006. Effect of chemical preservatives on the physico-chemical and nutritional evaluation of mango pulp stored at ambient temperature. *Sarhad Journal of Agriculture*. 22: (4) 685-687.
36. Khan, A., A. Jan and **S. Alam**. 2005. Effect of nitrogen and seed size on maize crop II: Yield & yield components. *Journal of Agriculture & Social Sciences*. 1 (4): 378-379.
37. Amanullah, A. Khan, **S. Alam** and H. Khan. 2005. Performance of berseem varieties at Peshawar. *Sarhad Journal of Agriculture*. 21(3): 317-322.

CONFERENCE PAPERS

38. Ahmad, W., M. Umar, **S. Alam**, M.H. Zia, M.I. Afzal, H. Ahmad. 2014. Need for Sustainable Land Management in Pakistan under the Changing Scenario of Climate. 5th International Conference on Agriculture, Food Security and Climate Change. September 9-11, 2014, Rawlakot Pakistan. DOI: [10.13140/2.1.2673.7921](https://doi.org/10.13140/2.1.2673.7921).
39. Zeb, F., M. Safdar, S. Khan, M. Muhammad, **S. Alam**, H. Shakoor. 2015. Effect of garlic (*Allium sativum*) and coriander (*Coriandrum sativum*) on lipid profile of cardiovascular patients. 4th Annual Middle East Congress on Clinical Nutrition. March 5-7, 2015, Ajman, United Arab Emirates. *Diabetes Care (Middle East Edition)* 12 (2): 105-106.

RESEARCH THESIS/DISSERTATION

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| 2005-2009 | Fungal diversity and aflatoxins in poultry feed: ecology and implications for the control of aflatoxins ingestion and distribution in broiler's tissues. Ph.D. , Agricultural Chemistry, NWFP Agricultural University Peshawar. |
| 2002-2004 | Effect of whole wheat flour fortified with iron through small-scale grinders "Chakkis" on Anemia. M.Sc. (Hons) , Agricultural Chemistry, NWFP Agricultural University Peshawar. |
| 2002 | "Iron content of fortified wheat flour in NWFP" (Special Problem), B.Sc. (Hons) , Agricultural Chemistry, NWFP Agricultural University Peshawar. |
| 2002. | "Tea in the Prevention of Cancer" (Review Paper), B.Sc. (Hons) , Agricultural Chemistry, NWFP Agricultural University Peshawar. |