

LIST OF PUBLICATIONS

DR. SAHIB ALAM

1. Nazir A. Khan, M. Suleman, Sahib Alam, A. Khan, W. Ali, M. Bezabih, W. H. Hendriks. 2021. Effect of repeated frying on changes in fatty acid composition and trans fatty acids formation in edible oils and fats. *European Journal of Lipid Science and Technology*. Under Review.
2. Ullah, H., Sahib Alam, S. Morrow, Y. Hemar. W. Ahmad. 2021. Impact of biochar and nitrogen applications on the mineral profile of maize (*Zea mays* L.) grains. *Sustainability*. Under Review
3. **Sahib Alam**, S. Bibi, M. Ali. 2020. Fungal diversity and physicochemical changes in fresh fruits during storage at ambient room conditions. *Applied Microbiology: Theory and Technology*. 1:18-31.
4. Younis, M., A. Muhammad, **Sahib Alam**, A. Jalal. 2020. Sulphur doses and application times on yield and oil quality of canola grown in calcareous soil. *Grasas Y Aceites* 71 (1), e341.
5. **Sahib Alam**, N. A. Khan, A. Muhammad, I. Jan, M.S. Hashmi, A. Khan, M.O. Khan. 2020. Carryover of aflatoxin B₁ from feed to broilers' tissues and its effect on chicken performance. *Fresenius Environmental Bulletin*. 29(01/2020): 214-221.
6. Jabeen, S., **Sahib Alam**, M. Saleem, W. Ahmad, R. Bibi, F.S. Hamid, H.U. Shah. 2019. Withering timings affect the total free amino acids and mineral contents of tea leaves during black tea manufacturing. *Arabian Journal of Chemistry*. 12:2411-2417.
7. Akbar, F., **Sahib Alam**. 2019. Influence of water activity and time duration on Fusarium mycotoxins production in maize grains during post-harvest storage. *Sarhad Journal of Agriculture* 35 (4): 1326-1335.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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 solanai*. *International Journal of Biosciences*. 9:415-420.

17. 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.
18. 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.
19. 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.
20. 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.
21. **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.
22. **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.
23. **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.
24. 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.
25. 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 the Chemical Society of Pakistan*. 34 (1): 173-176.
26. 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.
27. 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.
28. 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.
29. **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.
30. **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.
31. **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.
32. **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.
33. 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 gourd. *Advances in Food Sciences*. 30 (4): 218-222.
34. 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.

35. **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.
36. 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.
37. 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.
38. 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.
39. **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.
40. 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.
41. 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.
42. 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

43. 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)
44. 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. |