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LIST OF IMPACT FACTOR RESEARCH PUBLICATIONS

*** Foreign Journals/Books**

- *1. **Shamsi, S.R.A.** and Whitehead, F.H. (1974). Comparative ecophysiology of *Epilobium hirsutum* and *lythrum salicaria*. I. Distribution, General Biology and Germination. Journal of Ecology, 62: 279-290
- *2. **Shamsi, S.R.A.** and Whitehead, F.H. (1974). Idem. II Growth and development in relation to light. Journal of Ecology, 6: 631-645
3. **Shamsi, S.R.A.** (1974). An interpretation of the distribution of *Epilbium hirsutum* and *Lythrum salicaria* in relation to their physiological ecology. Pakistan Journal of Botany, 6: 123-134.
- *4. **Shamsi, S.R.A.** (1976). Effect of light break on the growth and development of *Epilobium hirsutum* and *Lythrum salicaria* in short photoperiods. Annals of Botany, 40: 153-162
5. **Shamsi, S.R.A** (1976). Some effects of density and fertilizer on the growth and competition of *Epilobium hirsutum* and *Lythrum salicaria*. Pakistan journal of Botany, 8(2): 212-220.
- *6. **Shamsi, S.R.A** and Whitehead, F.H. (1977). Comparative eco-physiology of *Epilobium hirsutum* and *Lythrum salicaria*. III. Mineral Nutrition. Journal of Ecology, 65:55-70.
- *7. **Shamsi, S.R.A** and Whitehead, F.H. (1977). Idem. IV. Effects of temperature and interspecific competition and concluding discussion. Journal of Ecology, 65:71-84.
8. Kasim, M.H., Shamsi, S.R.A and Sofajy, S.A (1977). Increased genetic variability in the M2 generation of three gamma-irradiated broad bean (*Vicia faba* L.) varieties. Pakistan Journal of Botany, 9:11-16.
- *9. **Shamsi, S.R.A**, Al-Ali, F.A. and Hussain, S.M. (1978) Temperature and light requirements for the sprouting of chilled and un-chilled tubers of purple nutsedge, *Cyperus rotundus* L. Physiologia Plantarum, 44:193-196.
- *10. **Shamsi, S.R.A.**, and Shaheen, R. (1978) Radiation stimulation of growth and riel of pea (*Pisum sativum* L.). Indian Journal Experimental Biology, 16: 1152-1157.
- *11. Al-Ali, F.A., **Shamsi, S.R.A** and Hussain, S.M. (1978). Sprouting and growth of purple nutsedge, *Cyperus rotundus* L. in relation to pH and aeration. Physiologia Plantarum, 44:373-376.
- *12. **Shamsi, S.R.A** and Sofajy, S.A. (1980). Effects of low doeses of gamma irradiation on the growth and yield of two cultivars of broad bean. Environmental and Experimental Botany, 20:87-94.

- *13. Hussain, S.M., Al-Ali, F.A. and **Shamsi, S.R.A** (1980) Effects of vitamins on sprouting of purple nutsedge tubers. *Physiologia Plantarum* 49:100-104.
- *14. **Shamsi, S.R.A**, Roohi, R. and Nisa, A. (1981). Low dosages of gamma irradiation of seed increase the growth and yield of two cultivars of sunflower. *Canadian journal of Botany*, 59:2152-2157.
- *15. **Shamsi, S.R.A**, and Al-Ali, F.A. (1983). Growth of purple nutsedge, *Cyperus rotundus* L. in relation to mineral nutrition. *Indian Journal of Experimental Biology*, 21: 451-454.
- *16. **Shamsi, S.R.A**, and Ahmad, B. (1986) Studies on salt tolerance of purple nutsedge, *Cyperus rotundus* L. *Indian Journal of Experimental Biology*, 24:449-454.
- *17 Wahid, A., Maggs, R., **Shamsi, S.R.A**, Bell, J.N.B. and Ashmore, M.R. (1995). Air Pollution and its impacts on wheat yield in the Pakistan, Punjab. *Environmental pollution*, 88:147-154.
- *18. Wahid, A., Maggs, R., **Shamsi, S.R.A**. Bell, J.N.B. and Ashmore, M.R. (1995). Effects of air pollution on rice yield in the Pakistan, Punjab. *Environmental Pollution*, 90:323-329.
- *19. Maggs, R., Wahid, A., **Shamsi, S.R.A**, and Ashmore, M.R. (1995). Effects of ambient air pollution on wheat and rice yield in Pakistan. *Water, Air and Soil Pollution*, 85:1311-1316.
- 20. Ashraf, M., **Shamsi, S.R.A**, and Azam, F. (1996). Foliar absorption of $N^{15}H_3$ by wheat and rice varieties. *Pak. J. Bot.*, 28(2): 195-202.
- *21. Mahmood, T., Malik, K.A and **Shamsi, S.R.A**. (1997). Denitrification with and without maize plants (*Zea mays* L.) under irrigated field conditions. *Biol. Fertil. Soil*, 24: 323-328.
- 22. Ashraf, M., **Shamsi, S.R.A**., and Azam, F. (1997). Nitrogen losses from tops of three rice varieties grown in nutrient culture solution. *Pak. J. Bot.*, 29(2): 319-322.
- *23. Mahmood, T., Malik, K.A., **Shamsi, S.R.A**. and Sajjad, M.I (1998). Denitrification and total N losses from an irrigated sandy-clay loam under maize-wheat cropping system. *Plant and soil.*, 19(9): 239-250
- *24. Mahmood, T., Ali, R., Malik, K.A. and **Shamsi, S.R.A**. (1998). Nitrous oxide emissions from an irrigated sandy-clay loam cropped to maize and wheat. *Biol. Fertil. Soils* 27: 189-196
- *25. Wahid, A., Miline, E., **Shamsi, S.R.A**., Ashmore, M.R and Marshall F.M. (2001). Effects of oxidants on soybean growth and yield in Pakistan-Punjab. *Environmental Pollution*, 113: 271-280.
- *26. Syed Muhammad Akmal Ramim, Shahida Hasnain and **R.A. Shamsi**, (2010) Land suitability classification of choice of tree species in District Rahim Yar Khan, Punjab, Pakistan. *African Journal of Agricultural Research*, 5(23): 3219-3229
- 27. Kafiatullah, Abdul Wahid, Sheikh Saeed Ahmad and **Syed Razi Abbas Shamsi** (2012). Ozone bio monitoring in Pakistan using tobacco cultivar BEL-W3. *Pakistan Journal of Botany*. 44(2): 717-723.

CHAPTER IN BOOKS:

1. Bodla, M.A. Choudhary, M.R., **Shamsi, S.R.A**., and Baig, M.S. (1992). Salt tolerances in some dominate grasses of Punjab. In: *Biology of Salt Tolerant Plants* (Khan, M.A. and

Ungar, I.A. eds.). Department of Botany, University of Karachi, Karachi-75270. (Pakistan) pp. 190-198.

- *2. Maggs, R., Wahid, A., Ashmore, M.R. and **Shamsi, S.R.A.**, (1993). The impact of ambient air pollution on wheat in the Punjab, Pakistan. In: Effect of Air Pollution on Agricultural Crops in Europe (Jager et al. eds.) Commission of European Communities, Brussels Belgium. pp. 571-574.
- *3. Bodla, M.A., Baig, M.S. and **Shamsi, S.R.A.**, (1994). Forage production from salt affected and waterlogged areas in Punjab, Pakistan (A case study). In: Halophytes a source for livestock and for rehabilitation of degraded lands (Squires, V.R. & Ayoub, A.T. eds.) Kluwer Academic publishers. The Netherlands. pp. 231-238
- *4. **Shamsi, S.R.A.**, Ashmore, M.R., Bell, J.N.B., Maggs, R., Kafayat, U. and Wahid, A (2000). The impacts of air pollution on crops in developing countries – A case study in Pakistan. In: Environmental Stress: Indication, Mitigation and Eco-conservation. (Younas, M. Singh, N. and Dekok, L.I. eds.). Kluwer Academic Publishers, Dordrecht. pp 63-71.
- *5 L.D. Emberson, P. Buker, M. Engardt, A.M. Tienhoven, M. Agrawal, M. Zunckel, K. Hicks, H. Pleijel, T. Islam, **Shamsi, S.R.A.**, G.A.D. Perera, G.H.J. Kruger and P.R. Smit. (2010). Assessing ground-level Ozone (O₃) Impacts to crops in parts of Asia and Southern Africa; The Regional Air Pollution in Developing Countries (RAPIDC) Crops Project. In: Air Pollution: Health and Environmental Impacts (Gurjar, B.R, Molina, L.T. & Ojha, C.S.P. eds.) CRC Press Taylor & Francis Group. New York. pp. 421-445.

Chapters Authored in Edited Textbooks

***International**

1. Three chapters

1. Environmental Biology
2. Man and his environment
3. Tobacco, Alcohol & Drugs and their Abuses

In “Annotated Text Book of Biology for the Secondary Schools” for Muslim Umma Countries. Islamic Educational Scientific and Cultural Organization (IESCO) Rabat, Morocco (1988)

2. Three chapters

1. Interactions in Ecosystems
2. Changes in community
3. Environment of life

In “Annotated Text Book in Biology for Higher Secondary Schools” for Muslim Umma countries. Islamic Educational Scientific and Cultural Organization (ISESCO) Rabat, Morocco (1988)

National

1. Three chapters

1. Environment and Energy Resources
2. Environmental Pollution
3. Man and his Environment

In “Teachers Resource Book on Environmental Education (Secondary level-Urdu version)”, Ministry of Education (Curriculum wing), Islamabad under Coordinated Environmental Education (CEEP). (1988)

2. Five chapters

1. Food and Energy
2. Transport
3. Respiration in Plants
4. Environmental Biology
5. Biology and Human Welfare

“Text Book of Biology at Secondary level” (English & Urdu versions) Punjab Text Book Board Lahore, (1988) (Revised in 1995 and again in 1999).

3. One chapter

1. Man and his Environment

In “A textbook of Biology for class XII (Higher Secondary level) Punjab Textbook Board, Lahore. (1990)