



CURRICULUM VITAE

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Academic qualifications

PhD: in Bryology, Department of Botany, Panjab University, Chandigarh, India, 1987–1993. Title of thesis: Systematic study of some Iranian Mosses (Supervisor: Prof. S.S. Kumar).

MSc: in Botany, Department of Botany, Panjab University, Chandigarh, India, 1984–1986.

BSc: in Basic Sciences, Department of Botany, Panjab University, Chandigarh, India, 1979–1983.

Research interests:

Systematics and applied aspects of mosses.

Research projects:

1. Systematic study of Iranian Moss flora. Project No.: 107-11-75-059. Duration: 3 years (20.03.1996 to 20.03.1999).
2. Cytotaxonomic studies of some Iranian Mosses (Bryophytes). Project No.: 1526. Duration: 3 years (20.03.1999 to 20.03.2002).
3. Study of Mosses as indicators of atmospheric and substrata pollutions in the northern provinces of Iran. Project No.: 1528. Duration: 4 years (20.03.1999 to 20.03.2003).
4. Surveying, collecting and identification of fauna (insects) and flora of Iranian isles in Persian Gulf, with emphasis on plant pests, pathogenic fungi, weeds and their natural enemies. Project No.: 1511. Duration: 6 years (20.03.1998 to 20.03.2004). Mosses: As part of the project.
5. Study of antifungal activities of Bryophytes (Mosses & Liverworts). Project No.: 107-11-11-80-115. Duration: 3 years (20.03.2001 to 20.03.2005).

6. Taxonomic study of the Mosses in Fars, Chahar Mahal-o-Bakhtiari, Boyer Ahmad-o-Kohgiluyeh and Lorestan Provinces (Iran). Project No.: 107-11-80-072. Duration: 3 years (20.03.2001 to 20.03.2005).
7. Collection and identification of Pteridophytes (Part I. North and West of Iran). Project No.: 2-009-100000-06-0000-84074. Duration: 2/5 years (20.03.2005 to 20.09.2007).
8. Collection and identification of Mosses in W Iran (Hamedan, Kermanshah, Kordestan and Ilam Provinces). Project No.: 2-009-100000-06-0000-84059. Duration: 4 years (20.03.2005 to 20.03.2009).
9. Taxonomic research on Iranian Fungi and Flora. Project No.: 1-16-16-8603-86001. Duration: 1 year (20.03.2008 to 20.03.2009).
10. Study of antibacterial activities of Bryophytes. Project No.: 2-009-100000-06-0000-84082. Duration: 4 years (20.03.2005 to 20.03.2010).
11. Systematic study and reviewing of herbarium specimens for writing the Moss Flora of Iran (1. Lorestan Province, W. Iran). Project No.: 2-16-16-87036. Duration: 3 years (20.03.2008 to 20.09.2010).
12. Collection and identification of Pteridophytes (Part II. South and Centre of Iran). Project No.: 2-16-16-87038. Duration: 3 years (20.03.2008 to 20.03.2011).
13. Collections and identifications of Mosses in NW Iran (Ardebil, W & E Azarbaijan Provinces). Project No.: 2-16-16-90015. Duration: 3 years (21.04.2011 to 21.04.2014).
14. Identification of Iranian Research Institute of Plant Protection Campus Flora (Bryophytes). Project No.: 2-16-16-90073. Duration: 3 years (23.09.2011 to 23.09.2014).
15. Collecting, identifying and reviewing herbarium specimens of Gymnosperms in Iran. Project No.: 2-16-16-92163. Duration: 2 years (23.09.2013 to 23.09.2015).
16. Study and design a software model for diversity and distribution of Mosses in Iran. Project No.: 2-16-16-92192. Duration: 2 years and 3 months (20.02.2014 to 20.05.2016).
17. Taxonomical study of Solanaceae family in Northern and Eastern Provinces of Iran. Project No.: 2-16-16-95102. Duration: 3 years (18.04.2016 to 18.04.2019).
18. Identification and taxonomic revision of unknown Moss specimens at "IRAN" herbarium. Project No.: 2-16-16-003-950004. Duration: 3 years (22.08.2016 to 22.08.2019).
19. Floristic and taxonomic study of Mosses in the Central parts of Iran. Project No.: 2-16-16-046-980290. Duration: 4 years and 9 months (23.07.2019 to 23.04.2024).
20. Study of mite fauna on epiphytic moss species in the forest trees of Mazandaran and Gilan provinces (Iran). Project No.: 0-16-16-018-000109. Duration: 4 years (22.05.2021 to 22.08.2025).
21. Collection and identification of lichens and mosses to establish central herbarium of Iran (step 3). Project No.: 0-09-09-051-000583. Duration: 5 years (09.11.2021 to 21.03.2026).

Publications:

Journals papers:

1. **SHIRZADIAN, S.** 1989. Additions to the Moss flora of Iran. *Yushania* 6: 17–20.
2. **SHIRZADIAN, S.** 1994. Systematic study of some Iranian Mosses. Thesis Abstract (PhD). Research Bulletin of the Panjab University, Chandigarh, India, p. 353.

3. **SHIRZADIAN, S.** 1994. Economic Importance of Bryophytes. Peik-e Elmi 3: 8–9. Iran Embassy Publication, New Delhi, India (In Persian).
4. **SHIRZADIAN, S.** and Kumar, S.S. 1994. A report on the Moss flora of northern Iran. The Iranian Journal of Botany 6(2): 177–184 (In English with Persian abstract).
5. **SHIRZADIAN, S.** 1996. Global warming (Green House Effect) and effects of increased solar U.V. radiation on plants. Zeytoun 129: 44–47 (In Persian).
6. **SHIRZADIAN, S.** 1996. Systematic studies on Moss flora (Bryophytes) of Iran with an introduction to their applied aspects. Research & Reconstruction 30: 50–54 (In Persian with English summary).
7. **SHIRZADIAN, S.**; Sotoodehnia, Sh. and Kianmehr, H. 2000. Four new records for the Moss flora of Iran. Rostaniha 1(1–4): 7–9 (In Persian with English summary).
8. Kianmehr, H.; **SHIRZADIAN, S.** and Sotoodehnia, Sh. 2000. A report on some new Moss species of the Hezar Masjed Mountains. Pajouhesh-va-Sazandegi 46: 52–56 (In Persian with English summary).
9. **SHIRZADIAN, S.** and Gholami, M. 2001. *Eucladium verticillatum*, the first Moss report from Alisadr cave (Hamedan, Iran). Rostaniha 2(1–4): 62–63 (In Persian & English).
10. Uniyal, P.L. and **SHIRZADIAN, S.** 2001. Cytotaxonomic studies in West Himalayan Bryaceae (Musci). Rostaniha 2(1–4): 25–36 (In English with Persian summary).
11. **SHIRZADIAN, S.** 2002. Two records of Mosses from Iran. Rostaniha 3(1–4): 107–109 (In Persian & 47–48 (In English)).
12. **SHIRZADIAN, S.**; Ghaffari, S.M. and Djavadi, S.B. 2003. Chromosome counts in some Mosses of Iran. Rostaniha 4(3–4): 99–102 (In Persian with English summary).
13. Ahmadi, Sh.; **SHIRZADIAN, S.** and Tavassoli, A. 2004. New records for the Moss flora of Iran. Rostaniha 5(1): 41–48 (In English with Persian summary).
14. Jafari, M.; Tavili, A.; Zargham, N.; Heshmati, Gh.A.; Zare, M.A.; **SHIRZADIAN, S.**; Azarnivand, H.; Zehtabian, Gh.R. and Sohrabi, M. 2004. Comparing some properties of crusted and uncrusted soils in Alagol regions of Iran. Pakistan Journal of Nutrition 3(5): 273–277.
15. **SHIRZADIAN, S.** and Djavadi, S.B. 2005. Chromosome count in *Bryum caespiticium* (Musci). Rostaniha 6(2): 74 (In Persian & English).
16. **SHIRZADIAN, S.** 2006. Bryaceae, *In*: Ershad, D. (ed.). Flora of Iranian Isles in the Persian Gulf in Herbarium Ministerii Iranici Agriculturae “IRAN”. Rostaniha (Suppl. 4): 83 (In English).
17. Kürschner, H.; Tavili, A.; **SHIRZADIAN, S.** and Jafari, M. 2006. *Aloina bifrons* (De Not.) Delgadillo. *In*: New national and regional bryophyte records, 14. Journal of Bryology 28(3): 271.
18. Tavili, A.; Kürschner, H.; **SHIRZADIAN, S.** and Jafari, M. 2006. *Aloina aloides* (Schultz) Kindb. *In*: New national and regional bryophyte records, 14. Journal of Bryology 28(3): 271.
19. Ghahreman, A.; Faridi, M.; **SHIRZADIAN, S.** and Attar, F. 2007. New and interesting Moss records for Iran. Turkish Journal of Botany 31(1): 41–48.
20. Ahmadi, Sh.; **SHIRZADIAN, S.** and Tavassoli, A. 2007. *Anacolia webbii*, a new Moss for Iran. Rostaniha 8(1): 49–51 (In Persian & English).

21. Eskandari, M. and **SHIRZADIAN, S.** 2007. *Ophioglossum polyphyllum* (Ophioglossaceae), a new record for the flora of Iran. *Rostaniha* 8(2): 104–105 (In Persian & English).
22. **SHIRZADIAN, S.** and Uniyal, P.L. 2008. Biodeteriorative impacts on bridges over Zayand-e-Rood River (Iran): Role of Mosses and their control measures. *Journal of Scientific & Industrial Research* 67(5): 377–380.
23. Eskandari, M.; **SHIRZADIAN, S.** and Ghanbari Hamedani, S. 2008. Rediscovery of rare *Polystichum lonchitis* from Iran. *Rostaniha* 9(2): 116–117 (In Persian & English).
24. **SHIRZADIAN, S.**; Afshari-azad, H. and Khalghani, J. 2009. Introductory study of antifungal activities of bryophyte extracts. *Applied Entomology & Phytopathology* 77(1): 1–22 (In Persian with English summary).
25. Akhoondi Darzikolaei, S.; Mazooji, A. and **SHIRZADIAN, S.** 2009. *Didymodon fallax*, a new species for Iranian bryoflora. *Rostaniha* 10(2): 112–113 (In Persian & English).
26. Majd, A.; Mehranfar, S.; Mehrabian, S. and **SHIRZADIAN, S.** 2009. Study of antimicrobial and antifungal effects of organic extracts of two species in Hepatica and one species in Moss. *Journal of Investigation & Application of Medicinal Plants* 2(2): 23–32 (In Persian).
27. Fereidounfar, S.; **SHIRZADIAN, S.**; Ranjbar, M. and Ghahremaninejad, F. 2011. A survey to the Moss flora of Alvand Mountains in Hamedan Province, W. Iran. *The Iranian Journal of Botany* 17(1): 125–132 (In English with Persian abstract).
28. **SHIRZADIAN, S.** and Akhoondi Darzikolaei, S. 2011. *Climacium dendroides* (Hedw.) Web. & Mohr. *In: New national and regional bryophyte records*, 29. *Journal of Bryology* 33(4): 318.
29. **SHIRZADIAN, S.** 2011. Five new moss species for Iran. *Phytomorphology* 61(3–4): 68–71.
30. Safavi, M. and **SHIRZADIAN, S.** 2011. Modelling bryophytes distribution pattern using environmental parameters of Iran in Geographical Information Systems (GIS): a case study of three genera *Tortula*, *Grimmia* and *Bryum* (Bryophytes). *Rostaniha* 12(2): 135–151 (In English with Persian summary).
31. **SHIRZADIAN, S.** 2012. *Funaria microstoma*, a new species for Iranian bryoflora. *The Iranian Journal of Botany* 18(1): 127–129 (In English with Persian abstract).
32. Eskandari, M.; Riazi, B.; **SHIRZADIAN, S.** and Mazooji, A. 2012. A study of threatened species of ferns in Gilan Province (N. Iran) providing a comparison of protective classification of conservation based on International Union for the Conservation of Nature and Natural Resources (IUCN)'s factors. *Rostaniha* 13(1): 1–9 (In Persian with English summary).
33. Akhoondi Darzikolaei, S.; **SHIRZADIAN, S.** and Eskandari, M. 2014. *Syntrichia sinensis* (Müll. Hal.) Ochyra (Pottiaceae), a new moss for Iranian bryoflora. *The Iranian Journal of Botany* 20(1): 109–111 (In English with Persian abstract).
34. **SHIRZADIAN, S.**; Akhoondi Darzikolaei, S. and Uniyal, P.L. 2014. Seven new records of mosses in Iran. *Telopea* 17: 393–401.
35. **SHIRZADIAN, S.**; Akhoondi Darzikolaei, S. and Spence, J.R. 2015. *Bryum campylopodoides* Müll. Hal., a new species for Southwest Asia. *Phytotaxa* 212(1): 99–101.
36. Amini Rad, M.; Eskandari, M.; **SHIRZADIAN, S.**, Dadkhipour, K.; Asef, M.R.; Aliabadi, F.; Asgari, B. and Zare, R. 2015. List of collectors of the Herbarium Ministerii Iranici Agriculturae “IRAN”. *Rostaniha* 16(Suppl. 1): 53–73.

37. Amini Rad, M.; **SHIRZADIAN, S.**; Dadkhahipour, K.; Asef, M.R.; Aliabadi, F.; Asgari, B. and Zare, R. 2015. List of determiners of the Herbarium Ministerii Iranici Agriculturae "IRAN". Rostaniha 16(Suppl. 1): 74–81.
38. **SHIRZADIAN, S.** and Babae, Z. 2015. Library of Department of Botany. Rostaniha 16 (Suppl. 1): 125–132.
39. Ghahremanejad, F.; **SHIRZADIAN, S.** and Fereidounfar, S. 2016. An updated list of the bryological literature on Iran. Ann. Naturhist. Mus. Wien, B. 118: 181–188.
40. **SHIRZADIAN, S.** and Akhoondi Darzikolaei, S. 2016a. *Syntrichia subpapillosissima* (Bizot & R.B. Pierrot ex W. Kramer) M.T. Gallego & J. Guerra. In: New national and regional bryophyte records, 49. Journal of Bryology 38(4): 339–340.
41. **SHIRZADIAN, S.** and Akhoondi Darzikolaei, S. 2016b. Two new mosses of Grimmiaceae for Iranian bryoflora. Nova Biologica Reperta 3(2): 163–166.
42. **SHIRZADIAN, S.** and Akhoondi Darzikolaei, S. 2018. *Jungermannia atrovirens* Dumort. and *Rhytidiadelphus loreus* (Hedw.) Warnst. In: New national and regional bryophyte records, 55. Journal of Bryology 40(2): 179 & 181.
43. **SHIRZADIAN, S.** and Dadkhahipour, K. 2018. Introducing the Iranian moss flora explorer. Rostaniha 19(1): 11–18.
44. **SHIRZADIAN, S.** 2019. *Bryum intermedium* (Brid.) Blandow and *Plagiomnium medium* (Bruch & Schimp.) T.J. Kop. In: New national and regional bryophyte records, 58. Journal of Bryology 41(1): 3 & 12–13. DOI: 10.1080/03736687.2018.1559636.
45. Eskandari, M.; Assadi, M.; **SHIRZADIAN, S.** and Mehregan, I. 2019. Ethnobotanical study and distribution of the *Solanum* section *Solanum* species (Solanaceae) in Iran. Journal of Medicinal Plants 18(71): 85–98.
46. Eskandari, M.; Assadi, M.; **SHIRZADIAN, S.** and Mehregan, I. 2019. *Solanum kieseritzkii* and its comparison with *S. dulcamara* in Hyrcanian forests (North of Iran) based on morphological and molecular data. Rostaniha 20(2): 110–122. DOI: 10.22092/BOTANY.2019.126940.1162.
47. Ghaffari, S.M.; Ahmadi, Sh.; **SHIRZADIAN, S.** and Tavasoli, A. 2020. Chromosome numbers in some mosses from Iran. The Iranian Journal of Botany 26(1): 67–70 (In English with Persian abstract). DOI: 10.22092/ijb.2020.128868.1270.
48. Asadboland, R., Eslahi, M.R., Iranbakhsh, A.R. & **SHIRZADIAN, S.** 2020a. Inhibitory effects of ethanolic and aquatic extracts of *Cinclidodus fontinaloides* (Hedw.) P. Beauv. on phytopathogenic fungi *Fusarium solani* and *Bipolaris sorokiniana* *in vitro* and *in vivo*. Applied Plant Protection 8(2): 103–111.
49. Asadboland, R., Iranbakhsh, A.R., Eslahi, M.R. & **SHIRZADIAN, S.** 2020b. Evaluation of fungicidal potential of some moss extracts on phytopathogenic fungus "*Fusarium solani*". Anatolian Bryology 6(2): 105–111.
50. Asadboland, R., Iranbakhsh, A.R., **SHIRZADIAN, S.** & Eslahi, M.R. 2020c. *Dialytrichia mucronata* (Brid.) Broth. (Pottiaceae), a new record for the moss flora of Iran. The Iranian Journal of Botany 26(2): 162–165. DOI: 10.22092/ijb.2020.343123.1284.
51. Asadboland, R.; Eslahi, M.R.; Iranbakhsh, A.R. and **SHIRZADIAN, S.** 2021. Growth inhibition effects of extracts of eight mosses on the phytopathogenic fungus "*Fusarium solani*". Journal of Crop Protection 10(4): 615–622.

52. **SHIRZADIAN, S.** 2022. The list of mosses of the Herbarium Ministerii Iranici Agriculturae (“IRAN”). *Rostaniha* 23(1): 131–156 (In Persian with English summary).
53. Nejad Falatoury, A.; **SHIRZADIAN, S.**; Pahlevani, A.H. and Sajedi, S. 2022. Introducing Herbaria of Iranian Ministry of Agriculture (AREEO). *Baztab-e TAT (Special Issue on Biodiversity)* 16: 16–19 (In Persian).
54. Ahmadi, Sh.; Mehrabian, A.R. and **SHIRZADIAN, S.** 2024a. *Rhynchostegium alopecuroides* (Brid.) A.J.E. Sm. *In: New national and regional bryophyte records*, 78. *Journal of Bryology* 46(2): 8. DOI: 10.1080/03736687.2024.2418206.
55. Ahmadi, Sh.; Mehrabian, A.R. and **SHIRZADIAN, S.** 2024b. Four new reports to the moss flora of Iran. *Rostaniha* 25(2): 215–221. DOI: 10.22092/BOT.J.IRAN.2024.367835.1408.

Technical report:

- Eskandari, M. and **SHIRZADIAN, S.** 2022. Introduction of Important Weeds of Solanaceae in Iran (In Persian). Iranian Research Institute of Plant Protection, Tehran, Iran (available at: www.iripp.ir/fa-IR/iripp/29842/Articles/view/54561/7286).

Electronic publication/software:

- Dadkhalipour, K. and **SHIRZADIAN, S.** 2017. Explorer for Mosses of Iran (software). Iranian Research Institute of Plant Protection, Tehran, Iran.

Conference papers:

Poster presentations:

1. Kianmehr, H.; **SHIRZADIAN, S.** and Sotoodehnia, Sh. 1998. Introducing some new Moss species of the Hezar Masjed Mountains (Khorasan-Iran). *7th Iranian Biology Conference*. 22–24 Aug., University of Isfahan, Isfahan, Iran.
2. **SHIRZADIAN, S.** 1999. Biomonitoring environmental pollutions by Mosses. *National Conference on Environmental Pollutions*. 16–18 Jun., Islamic Azad University, Ardabil, Iran.
3. **SHIRZADIAN, S.** 1999. Systematic study and some new records of the Moss flora of N Iran. *16th International Botanical Congress*. 1–7 Aug., Missouri Botanical Garden, Saint Louis, Missouri, USA.
4. **SHIRZADIAN, S.** 2002. Two new records of *Bryum* (Music) from Negin and Minoo Islands in Iran. *1st Iranian Conference on Plant Science and Biodiversity*. 10–12 Sept., Faculty of Science, University of Tehran, Tehran, Iran.
5. **SHIRZADIAN, S.** 2002. Chromosome counts in some Mosses of Iran. *1st Iranian Conference on Plant Science and Biodiversity*. 10–12 Sept., Faculty of Science, University of Tehran, Tehran, Iran.
6. **SHIRZADIAN, S.** and Afshari Azad. 2002. Antifungal effects of Bryophytes. *15th Iranian Plant Protection Congress*. 7–11 Sept., Razi University, Kermanshah, Iran.
7. Ahmadi, Sh.; Tavassoli, A. and **SHIRZADIAN, S.** 2003. Six new Moss records for the flora of Iran. *4th Biennial Conference of the Systematics Association*. 18–22 Aug., Trinity College, Dublin, Ireland.
8. Ahmadi, Sh.; **SHIRZADIAN, S.**; Tavassoli, A. and Arvan, U. 2003. Three new records for the Moss flora of Iran. *Celebrating 150 Years of Plant Research in Australia*. 29 Sept.–3 Oct., University of Melbourne, National Herbarium of Victoria, Australia.

9. Ahmadi, Sh.; **SHIRZADIAN, S.**; Tavassoli, A. and Karimifar, M.A. 2004. Four new records for the Moss flora of Iran. *12th Iranian Biology Conference*. 31 Aug.–2 Sept., Bu-Ali Sina University, Hamedan, Iran.
10. **SHIRZADIAN, S.** and Afshari Azad, H. 2004. Inhibitory effects of Bryophytes extract on plant pathogenic fungi. *16th Iranian Plant Protection Congress*. 28 Aug.–1 Sept., University of Tabriz, Tabriz, Iran.
11. Faridi, M.; **SHIRZADIAN, S.** and Ghahreman, A. 2005. Three new records for the Moss flora of Iran. *13th Iranian Biology Conference and the 1st International Conference of Biology*. 23–25 Aug., Guilan University, Rasht, Iran.
12. Faridi, M.; Ghahreman, A.; Attar, F.; **SHIRZADIAN, S.** and Kirmaci, M. 2006. New records for the Moss flora of Iran. *XV FESPB Congress Federation of European Societies of Plant Biology*. 17–21 Jul., Lyon, France.
13. Faridi, M.; Ghahreman, A.; **SHIRZADIAN, S.**; Attar, F. and Etemad, V. 2006. Floristic study of Kheiroud-kenar forest in Mazandaran Province (N. Iran). *14th Iranian Biology Conference and the 2nd International Conference of Biology*. 29–31 Aug. Tarbiat Modares University, Tehran, Iran.
14. Ahmadi, Sh.; **SHIRZADIAN, S.** and Tavassoli, A. 2006. Six records for the Moss flora of Iran. *14th Iranian Biology Conference and the 2nd International Conference of Biology*. 29–31 Aug., Tarbiat Modares University, Tehran, Iran.
15. **SHIRZADIAN, S.** and Salehi, S. 2006. Antibacterial activities of Bryophytes. *17th Iranian Plant Protection Congress*. 2–5 Sept., University of Tehran, Karaj, Iran.
16. **SHIRZADIAN, S.** 2007. New taxa for the Moss flora of Iran. *1st National Plant Taxonomy Conference of Iran*. 6 Sept., Research Institute of Forests & Rangelands, Tehran, Iran.
17. Ahmadi, Sh.; **SHIRZADIAN, S.**; Tavassoli, A. and Karimi Far, M.A. 2007. Study of Moss flora in Makhmal Kuh, Khorram-abad (Lorestan Province, W. Iran). *1st National Plant Taxonomy Conference of Iran*. 6 Sept., Research Institute of Forests & Rangelands, Tehran, Iran.
18. Ahmadi, Sh.; Ghaffari, S.M.; **SHIRZADIAN, S.** and Tavassoli, A. 2007. Chromosome count in four Mosses of Lorestan (W. Iran). *1st National Plant Taxonomy Conference of Iran*. 6 Sept., Research Institute of Forests & Rangelands, Tehran, Iran.
19. Mehranfar, S.; Majd, A.; Mehrabian, S. and **SHIRZADIAN, S.** 2008. Comparative study of antimicrobial effects of different extracts of *Marchantia*, *Pellia* and *Scorpiurium*. *The 2nd International Student Conference of Biotechnology*. 15–17 Nov., University of Tehran, Tehran, Iran.
20. **SHIRZADIAN, S.** and Afshari Azad, H. 2010. A preliminary study of antibacterial activities of Bryophyte extracts. *19th Iranian Plant Protection Congress*. 31 Jul.–3 Aug., Iranian Research Institute of Plant Protection, Tehran, Iran.
21. Safavi, M.; **SHIRZADIAN, S.** and Nejdassattari, T. 2012. Introducing bryoflora of Ardakan (Sepidan) in Fars Province (Iran). *17th Iranian Biology Conference and the 5th International Conference of Biology*. 5–7 Sept., Bahonar University, Kerman, Iran.
22. Akhoondi Darzikolaei, S. and **SHIRZADIAN, S.** 2013. Six new and interesting moss records to the Iranian bryoflora. *National Conference on Recent Trends in Botany*. 18–19 Jan., Yashavantrao Chavan Institute of Science, Satara, India.
23. Ahmadi, Sh.; Mehrabian, A.R. and **SHIRZADIAN, S.** 2024. Diversity and distribution of Pottiaceae family in Lorestan province (Iran). *23rd National and*

11th International Iranian Biology Congress (IBC). 9–11 Sept., University of Tehran, Tehran, Iran.

Oral presentations:

1. **SHIRZADIAN, S.** 1989. Systematic study of some Iranian Mosses. *2nd Scientific Seminar of Iranian Students in India* (Agriculture Sect.). 2–4 Nov. Iran Culture House, New Delhi, India.
2. Kumar, S.S. and **SHIRZADIAN, S.** 1990. Additions to the Moss flora of Iran from Alborz Mountains. *Frontiers in Botanical Research: A National Symposium*. 16–18 Feb. Panjab University, Chandigarh, India.
3. **SHIRZADIAN, S.** and Kumar, S.S. 1992. A preliminary report on the Mosses of the family Pottiaceae. *National Symposium on Botanical Researches: Trends and Achievements*. 30–31 March. Panjab University, Chandigarh, India.
4. **SHIRZADIAN, S.** and Durali, S. 1998. An investigation of biodeteriorative effects of Mosses found growing on the bridges of Zayand-e-Rood (Isfahan-Iran). *4th International Conference on Biodeterioration of Cultural Property (ICBCP-4)*. 21–25 Nov. Iranian Cultural Heritage Organization, Tehran, Iran.
5. Mirzai, M.; Majd, A.; Fallahian, F.; **SHIRZADIAN, S.** and Mehrabian, S. 1999. Comparative study of morphological characteristics and anatomical structure of Bryophytes from N. of Tehran and Mazandaran (Iran) by light and electronic microscopes. *8th Iranian Biology Conference*. 31 Aug.–2 Sept. Razi University, Kermanshah, Iran.
6. **SHIRZADIAN, S.** 2000. Study of Mosses as indicators of atmospheric and substrata pollutions in the northern provinces of Iran. *14th Iranian Plant Protection Congress*. 5–8 Sept. Isfahan University of Technology, Isfahan, Iran.
7. **SHIRZADIAN, S.** 2002. Taxonomy and biodiversity (Musci). *Seminar on Taxonomy and Biodiversity*. 18–19 Jun. Faculty of Natural Resources, Tehran University, Karaj, Iran.
8. **SHIRZADIAN, S.** 2007. Taxonomy of Mosses in Iran. *1st National Plant Taxonomy Conference of Iran*. 6 Sept. Research Institute of Forests & Rangelands. Tehran, Iran.
9. **SHIRZADIAN, S.** 2014. *Biennial report of "IRAN" Herbarium genetic resources during 2013–14.*, 23 Feb. Seed & Plant Improvement Institute, Karaj, Iran.
10. **SHIRZADIAN, S.** 2017. A software model for diversity and distribution of Iranian Mosses. *1st National Conference on Ecology, Diversity and Conservation of Plants*. 15 Feb. Faculty of Life Sciences and Biotechnology, Shahid Beheshti University, Tehran, Iran.
11. **SHIRZADIAN, S.** 2018. Applied aspects of mosses and their biodiversity in the Caspian Sea (Iran) basin. 11 Dec., Mazandaran University, Babolsar, Iran (Invited for lecture delivery).

Participations in workshops and seminars:

1. Advisor of 4 BSc students (1999–2006).
2. “Certificate of Acknowledgement” by Iranian Research Institute of Plant Protection (Tehran-Iran) for having active role in Enhancement of Expert Science to University Trainees in 2006.
3. “Managing the Modern Herbarium” workshop organized by Shahid Beheshti University (Tehran-Iran) jointly with Natural History Museum (Wien-Austria) held on 7 Jun. 2015.

4. "1st National Seminar on Botany and its Relation with other Sciences" organized by Islamic Azad University, Central Unit (Tehran-Iran) held on 12 Sept. 2017.
5. "Certificate of Acknowledgement" for active participation & co-operation in 72nd Anniversary of "IRAN" Herbarium Conference entitled: "Iranian Herbaria: Prospects & Challenges", organized by Department of Botany, Iranian Research Institute of Plant Protection (Tehran-Iran) jointly with Natural History Museum (Wien-Austria) held on 23 Oct. 2017.

Theses supervised:

1. Ferdowsi University (Faculty of Science), Mashhad, Iran. Sh. Sotoodehnia. Title: "Ecosystematic study of Mosses in Hezar-Masjed Mountains (Khorasan Province, Iran)". Completed: Winter 1997 (MSc thesis Advisor).
2. Al-Zahra University (Faculty of Science), Tehran, Iran. Sh. Ahmadi. Title: "Systematic study of Mosses of Makhmal-Kuh in Khorram-Abad (Lorestan Province, W. Iran)". Completed: Aug. 2003 (MSc thesis Supervisor).
3. University of Tehran (Faculty of Natural Resources, Dept. of Arid & Mountainous Regions Reclamation), Karaj, Iran. A. Tavili. Title: "Study of some Moss and Lichen species effects on range soil and plant properties, case study: Qara-Qir ranges (Golestan Province, N. Iran)". Completed: Jan. 2005 (PhD thesis Supervisor).
4. University of Tehran (Faculty of Science), Tehran, Iran. M. Faridi. Title: "Floristic study of Mosses in Kheirudkenar Forest, Mazandaran Province, N. Iran". Completed: Aug. 2006 (MSc thesis Supervisor).
5. Tarbiat Modares University (Faculty of Science), Tehran, Iran. R. Khoshravesh. Title: "Floristic and biosystematic study of Bryophyte flora of Tehran". Completed: Oct. 2006 (MSc thesis External Examiner).
6. Islamic Azad University (Faculty of Science & Research), Tehran, Iran. S. Mehranfar. Title: "Anatomical comparison between anti-microbial & anti-mutation in *Scorpiurium circinatum*, *Marchantia polymorpha* and *Pellia epiphylla*". Completed: Feb. 2009 (MSc thesis Advisor).
7. Kharazmi (ex Tarbiat Moallem) University (Faculty of Science), Tehran, Iran. S. Fereidounfar. Title: "Collecting and identifying Moss flora of Alvand highlands (Hamedan Province, W. Iran)". Completed: Sept. 2011 (MSc thesis Supervisor).
8. Islamic Azad University (Faculty of Science & Research), Tehran, Iran. M. Eskandari. Title: "A study of threatened species of Ferns in Gilan Province (N. Iran), providing classification of conservation, reasons and threat factors along with necessary suggestions". Completed: Sept. 2011 (MSc thesis Supervisor).
9. Islamic Azad University (Faculty of Science & Research), Tehran, Iran. M. Safavi. Title: "Floristic study of Bryophytes and Pteridophytes in some areas of southern Zagros Mountain and the relationship between species distribution and environmental variables by using Geographical Information System (GIS)". Completed: Feb. 2012 (PhD thesis Supervisor).
10. Islamic Azad University (Faculty of Science & Research), Tehran, Iran. M. Eskandari. Title: "Taxonomical, molecular phylogeny and ethnobotanical study of *Solanum* in Iran". Completed: Sept. 2020 (PhD thesis Advisor).
11. Islamic Azad University (Faculty of Science & Research), Tehran, Iran. R. Asadboland. Title: "Floristic study of Mosses in Khuzestan Province (Iran), and antifungal effects of certain phytopathogenic Fungi". Completed: Sept. 2020 (PhD thesis Advisor).
12. Shahid Beheshi University (Faculty of Science), Tehran, Iran. Sh. Ahmadi. Title: "Systematic study of mosses in Lorestan province and geobotanical study of

mosses in Khorramabad conglomerate in Lorestan province (Iran)”. Ongoing: 2025 (PhD thesis Advisor).

Other achievements:

Executive responsibilities:

1. Founder & Curator of Non-Flowering Plants Laboratory, Dept. of Botany, Iranian Research Institute of Plant Protection (2001–Present).
2. Deputy Head Department of Botany, Iranian Research Institute of Plant Protection. Tehran, Iran (Aug. 2007–Mar. 2013).
3. Head Department of Botany, Iranian Research Institute of Plant Protection. Tehran, Iran (Mar. 2013–Jan. 2015).

Memberships:

1. Indian Bryological Society (1989–1990).
2. Iranian Society of Biology (2001–Present).
3. Founder & Curator of Non-Flowering Plants Herbarium, Dept. of Botany, Iranian Research Institute of Plant Protection (2001–Present).
4. Technical Committee for Research Projects, Iranian Research Institute of Plant Protection (2003–2012).
5. Publication Committee, Iranian Research Institute of Plant Protection (2004–2008).
6. American Bryological & Lichenological Society (ABLS) (2004–2009).
7. Technical Committee of Biodiversity & Biosystematics, Iranian Research Institute of Plant Protection (2013–2014).
8. Technical Committee of Weeds, Iranian Research Institute of Plant Protection (2014–2020).
9. The Academy of Persian Language and Literature “Botany Section” (2019–2025). Co-author of book entitled: “*A Collection of Terms*” Vols 18 (2023) & 19 (2024).
10. Technical Committee of Biodiversity & Genetic Recourses, Iranian Research Institute of Plant Protection (2020–2022).
11. Technical Committee of Weeds & Botany, Iranian Research Institute of Plant Protection (2022–Present).

Reviewers and editors:

1. Rostaniha (Botanical Journal of Iran), Assistant Editor; Published by the Iranian Research Institute of Plant Protection, Ministry of Agriculture-Jahad, Tehran, Iran (1999–2016).
2. Iranian Journal of Botany, Member of Editorial Board; Published by the Research Institute of Forests & Rangelands, Ministry of Agriculture-Jahad, Tehran, Iran (2003–2007).
3. Rostaniha (Botanical Journal of Iran), Chief Editor; Published by the Iranian Research Institute of Plant Protection, Ministry of Agriculture-Jahad, Tehran, Iran (2016–Present).
4. Member of Editorial Board: Acta Scientific Agriculture Journal (2018–Present).

Referees and members of scientific committees:

1. 1st Iranian Conference on Plant Science and Biodiversity. 10–12 Sept. 2002. Faculty of Science, University of Tehran, Tehran, Iran.
2. 1st National Plant Taxonomy Conference of Iran. 6 Sept. 2007. Research Institute of Forests & Rangelands, Tehran, Iran.

3. 1st National Conference on Ecology, Diversity and Conservation of Plants. 15 Feb. 2017. Faculty of Life Sciences and Biotechnology, Shahid Beheshti University, Tehran, Iran.
4. 1st National Conference of Botany and its Relationship with other Sciences. 12 Sept. 2017. Islamic Azad University, Tehran Central Branch, Tehran, Iran.
5. Referee Team at INSF, Tehran, Iran (2020–Present).

New records:

- Five families, 21 genera, over 100 species and varieties recorded for the Moss Flora of Iran (published as research articles in scientific journals).

Honors/Awards

1. “Distinguished Executive Manager” of Rostaniha (Botanical Journal of Iran) from the Minister of Agriculture (Iran) in 2014.
2. “Distinguished Assistant Editor” of Rostaniha (Botanical Journal of Iran) from the Director of Iranian Research Institute of Plant Protection (Tehran, Iran) in 2014.
3. “Distinguished Chief-Editor” of Rostaniha (Botanical Journal of Iran) from the Deputy Minister of Agriculture (Iran) in 2016.
4. “Distinguished Chief-Editor” of Rostaniha (Botanical Journal of Iran) from the Deputy Minister of Agriculture (Iran) in 2018.
5. “Distinguished Chief-Editor” of Rostaniha (Botanical Journal of Iran) from the Director of Iranian Research Institute of Plant Protection (Tehran, Iran) 2019–2024 (in successive years).
