

GERMINATION STUDIES OF *CAPPARIS SPINOSA* L.

Majda Khalil Suleiman*, **Narayana Ramachandra Bhat**, **Mehdi Saleh Abdal**, **Sheena Jacob**,
Rini Rachel Thomas, **Sarah Al-Dossery**, and **Ricardo Bellen**

Aridland Agriculture and Greenery Department (AAD), Kuwait Institute for Scientific Research (KISR),
P. O. Box 24885, Safat 13109, Kuwait, *Fax: + 965 4989849, *E-mail: mkhalil@safat.kisr.edu.kw

REFERENCES

- Alkire B. (1998). Capers. Purdue New Crop FactSheet. Center for New Crops and Plant Products. Purdue University. <http://www.hort.purdue.edu/newcrop/cropfactsheets/caper.html>
- Barbera G., Di-Lorenzo R., Barone E. (1991). Observations on *Capparis spinosa* populations cultivated in Sicily and on their vegetative and productive behavior. *Agricoltura Mediterranea*, 121 (1): 32-39.
- Brown G. (2001). Vegetation ecology and biodiversity of degraded desert areas in north-eastern Arabia. Habilitation Thesis, Rostock University, 190 pp.
- Crawley M. J. (2005). Statistics: An Introduction using R. England, John Wiley & Sons Ltd.: 155-185.
- Evans E., Blazich F. A. (1994). Overcoming seed dormancy: Trees and Shrubs. North Carolina Cooperative Extension Service. North Carolina State University Horticulture Information Leaflet-8704, 5 pp.
- Food and Agricultural Organization (2004). AQUASTAT- FAO's Information System on Water and Agriculture. <http://www.fao.org/nr/water/aquastat/countries/kuwait/index.stm>.
- International Seed Testing Association (ISTA) (1999). International rules for seed testing. *Seed Science and Technology*, 27: 333.
- Kara Z., Ecevit F., Karakaplan S. (1996). Toprak koruma elemani ve yeni bir tarismal urur olarak kapari (*Capparis spinosa* spp.). *Tarim-Cevre Iliskileri Sempozyumu*. Mersin: 919-929 (in Turkish).
- Koc H. (2001). Germination of Caper (*Capparis spinosa* L.) seeds. *Beletitul Universitatii de Stiinte Agricole Seria Medicinã Veterinarã Cluj-Napoca. Seria Agriculturã*, 55/56: 292-296 (in Romanian).
- Kontaxis D. G. (1997). Caper. *Speciality and Minor Crops Handbook*. Small Farm Center, University of California, Davis, 4 pp.
- Little T. M., Hills F. J. (1978). *Agricultural experimentation gesign and analysis*. USA: John Wiley & Sons Inc.: 63-65.
- Macchia M. Casano S. (1993). Propagation of Caper (*Capparis spinosa*). *Sementi Elette*, 39: 37-42.
- Olmez Z., Yahyaoglu Z., Ucler A. O. (2004). Effects of H₂SO₄, KNO₃ and GA₃ treatments on germination of caper (*Capparis ovata* Desf.) seeds. *Pakistan Journal of Biological Sciences*, 7 (6): 879-882.
- Omar S. A. S., Al-Mutawa Y., Zaman S. (2007). *Vegetation of Kuwait*. Kuwait Institute for Scientific Research, Kuwait: 34-159.
- Orphanos P. I. (1983). Germination of caper seeds. *Journal of Horticultural Science*, 58: 267-270.
- Pascual B., San Bautista A., Imbernon A., Lopez-Galarza S., Alagarda J., Marto J. V. (2006). Germination behaviour after storage of caper seeds. *Seed Science and Technology*, 34 (1): 151-159.
- Soyler D., Arslan N. (1999). Effect of heat, light and dark treatments on seed germination of capers (*Capparis spinosa* L.). *Anadolu*, 9: 63-75.
- Soyler D., Arslan N. (2000). The effects of some plant growing regulators on the rooting of capers (*Capparis spinosa* L.). *Turkish Journal of Agriculture and Forestry*, 24: 595-600.
- Sozzi G. O., Chiesa A. (1995). Improvement of caper (*Capparis spinosa* L.) seed germination by breaking seed coat-induced dormancy. *Scientia Horticulturae*, 62 (4): 255-261.
- Tansi S. (1999). Propagation methods for Caper (*Capparis spinosa* L.). *Agricoltura Mediterranea*, 129: 45-49.
- Tansi S., Culcu A., Nacar S. (1997). The researches on the germination of Caper. *Turkiye II. Tarla Bitkileri Kongressi*. Samsun: 681-683.
- Tansu S., Kocabaa F. (1997). Importance of caper (*Capparis spinosa* L.) under forest ecosystem and its cultivation. *In: Mukerji A. K. (Ed.). XI World Forestry Congress, Antalya, Turkey, 13 to 22 October., Vol 3, Topic 15: 259 (Abstract)*.
- Thompson J. R. (1979). *An introduction to seed technology: Testing for Germination Capacity and Vigour*. Leonard Hill, London, UK, 252 pp.
- Yildirim Z. (1998). Studies on the improvement of seed germination in Caper. *Turkish Journal of Field Crops*, 3 (1): 21-24.