

## Curriculum Vitae



Curriculum Vitae Personal Data Name: Fatemeh Zarinkamar Languages: English as working language and fluent in French and Spanish. E- mail Address: Zarinkamar@modares.ac.ir and zarinkamar@yahoo.com Academic Qualifications: B.Sc. in Biology, University of Isfahan-Iran, 1987 Ph.D in Plant Biology (Plant Anatomy) Buenos Aires State University (U.B.A), Buenos Aires-Argentina, 1994. Cours du Microscopie Electronique appliquee a l'etude des vegetaux (M.E.T&M.E.S) Centre du Microscopie Electronique Bugnon & Laussane University, Lausanne-Switzerland, 1998. Professional Experiences: Researcher, Research Institute of Forests and Rangelands (RIFR) and Iranian Central Herbarium , Department of Plant Biology, Tehran, 1994 - 1996. Invitee lecturer, Tarbiat Modaress University of Tehran, 1994 - 1996. Scientific Researcher in laboratory of plant physiology and biochemistry, Department of Botany and Plant Biology, University of Geneva, Switzerland, 1997 - 1999. Lecturer and Head of Laboratory of plant Anatomy, Research Institute of Forests and Rangelands, Tehran, Iran 1999 - 2001. Visitor researcher in School of Biological and Biomedical Sciences, University of Durham, UK, 2002-2004. Assistant Professor, Tarbiat Modaress University of Tehran, 2005-. Main Research Activities: Anatomical studies of various Xerophytes and Halophytes plants. Plant adaptation and physiological stress. Anatomical- structural studies of medicinal plants. Phytochemical study on various specious which produce essential oil. Comparative studies on main and important anatomical-structural characters in Monocotyledones as well as Cyperaceae, Geramineae, Iridaceae, Juncaceae, Liliaceae, Orchidaceae; Dicotyledones such as Compsitae, Caryophyllaceae, Papilionaceae, Chenopodiaceae, Labiateae, Caryophyllaceae, papilionaceae, Chenopodiaceae, Labiateae, Rosaceae, Boraginaceae, Rhammnaceae, Anacardiaceae, Cruciferae, Malvaceae, Umbelliferae, Zygophyllaceae, etc. Anatomy - ecology studies of rare and endemic flora in some environmentally protected area of Iran. This study aims to develop a database of more than 500 species and an Anatomical-Ecological Atlas of rare and endemic flora of Iran. Publications: Books; • Anatomy - Ecology Studies of Astragalus Species (producers of gum tragagantin) in Iran, published by Research Institute of Forests and Rangelands, Teheran, Iran, 1997. • New vision on stomatal theory, published by Sepehr Naghsh, Teheran, Iran, 2006, 1-112. Iranian Atlas of foliar anatomy vol. 1.Noorbakhsh Press, Tehran, Iran, 2008, 1-448 Papers; . • Comparative anatomy of two varieties of Pistacia vera and effect of salinity and mechanical wounding on deformity of nut, Pajouhesh-va-sazandegi vol. 5(2), 2009. Taxonomic value of leaf anatomy in Iranian fine lived Festuca, Rostaniha (Botanical Journal of Iran) 166-177, Vol. 9(2),

2009. • Anatomical studies of some *Avena* species in Iran, Rostaniha (Botanical Journal of Iran) 97-106, Vol. 8(2), 2008. • Comparative foliar anatomy of Xerophyte species from Iran, Iranian Journal of Botany, RIFR, 1993, pages 153 - 168. • The structure and ultrastructure of secretory gum ducts in two *Astragalus* species, Iranian Journal of Botany, 1996, pages 117 - 125. • Comparison of calcicule and calcifuge plants, Iranian Journal of Botany pages, 2000, pages 279 - 287. • Foliar anatomy of the caryophyllaceae family in Arasbaran, NW Iran, Iranian Journal of Botany, 2001, pages 93-102. • Seed size, shape and persistence in the soil in Iranian flora, Seed science Research (2001)11, 345-355. • Foliar anatomy of *Carex* in Arasbaran, NW Iran, Iranian Journal of Botany, 2002, 261-270. • Soil seed banks in the Arasbaran Protected area of Iran and their significance for conservation management, Biological conservation 109(2003)425-431. • Foliar anatomical studies in the umbeliferae from Arasbaran, Iran, Iranian Journal of Botany, 2004. • The plant traits that drive ecosystems: Evidence from three continents, Journal of vegetation science 15: 295-304, 2004. • Comparative anatomy of the three halophyte species, *Salsola dendroides*, *Alhagi persarum*, *Aeluropus lagopoides*, Pajouhesh-va-sazandegi, 50-66 Vol. 18(1), 2005. • Foliar anatomy of *Chenopodiaceae* family and xerophytes adaptation Iranian Journal of Botany, 11(2):169-175, 2006. • The effect of salinity on anatomical structure and alkaloid production in pomegranate, Rostaniha (Botanical Journal of Iran), 97-106, Vol. 6(2), 2005. • Density, Size and Distribution of Stomata in Different Monocotyledons, Pakistan Journal of Biological Sciences 9(9): 1650-1659, 2006. • Anatomy-taxonomy of the genus *Ziziphus* in Iran Iranian Journal of Botany, 12(1):36-41, 2006. • Anatomical characteristics of five *Artemisia* species in the north of Iran, Pajouhesh-va-sazandegi, 2006, No, 70, 79-88. • Stomatal observation in Dicotyledons, Biological Sciences 10(2): 199-219, 2007. • Different types of foliar trichomes in the family *Boraginaceae*, memorial Dedicated to the 100th Birthday of Rechinger, 2006, Vol. 7, 103-111 Conferences and Presentations; • Effect of salinity on anatomy and deformity of the *Pistacia vera* nut, International conference of plant abiotic stress tolerance, 8-11 february, Vienna, Austria 2009. • Anatomical - Ecological studies of rare species in environmentally protected area in Iran, session 49 (developmental and structural session) of annual conference of Botanic Society of America "Botany 2001, plants and people" August 2001 Albuquerque, New Mexico, USA. • The effect of salinity on growth, minerals contents and alkaloid production in *punica granatum*, biological conference, university of Uromie, 2003. • Application of biosystematic to analysis species of *Ziziphus* in Iran, biological conference, University of Ferdosi (Mashhad), 2004. • Foliar anatomy of *Gladiolus segetum* and *Iris acutiloba* (*Iridaceae*), 13th Iranian Biology Conference and the First International Conference of Biology, Guilan University, Rasht, I.R.Iran, 2005. • Different type of foliar trichome in *Boraginaceae* family, 14 national & 2 International Conference of Biology Tarbiat Modares University, Tehran, Iran 2006, 130-131. • An investigation on the morphology-anatomy of *salvia* genus in Iran, 14 national & 2 International Conference of Biology Tarbiat Modares University, Tehran, Iran 2006, 77. • Foliar anatomy of *Avena* (*Poaceae*) in Iran, 14 national & 2 International Conference of Biology Tarbiat Modares University, Tehran, Iran 2006, 85-86. • Anatomical study of *Bromus* (*Poaceae*) species of Iran, 14 national & 2 International Conference of Biology Tarbiat Modares University, Tehran, Iran 2006, 86. • Taxonomic study of *Ziziphus* genus in Iran, 14 national & 2 International Conference of Biology Tarbiat Modares University, Tehran, Iran 2006, 87. • The effect of salinity and mechanical wounding on deformity of pistachio nut 14 national & 2 International Conference of Biology Tarbiat Modares University, Tehran, Iran 2006, 77. • Comparative leaf anatomy of two species *Festuca* in Iran, 1st National plant taxonomy conference of Iran Tehran, 2007. • The antibacterial activity of *plantago* species against pathogenic bacteria, 9 national microbiology conference of Iran, Kerman, 2007