Appendix 1: Bibliographic List of Plant Species Interactions in the Sonoran Desert

Kinds of interactions and respective citations (in the same order as presented in the main text): two forms of antagonism, (i) plant-herbivore and (ii) plant host-parasite interactions, and five forms of mutualism, (iii) plant-pollinator, (iv) plant-seed disperser, (v) plant-protective agent, (vi) plant-plant, and (vii) plant-microbe interactions.

(i) Plant-Herbivore Interactions

—Mammal herbivory (e.g., McAuliffe 1986; Brown et al. 1972; Steenbergh and Lowe 1977; Hayes et al. 2013)
—Insect herbivory, in general (e.g., Lightfoot and Whitford 1989, 1990, 1991; Karban 1993; Duval and Whitford 2008; Miller et al. 2009)
—Insect herbivory by leaf cutter ants (Mintzer 1979; Wetterer et al. 2001)
—Florivory (McIntosh 2002)
—Pollen plundering (Ness 2006; Holland et al. 2011)
—Nectar robbing (Richardson 2004a,b)
—Seed consumption (Davidson 1977; Brown and Davidson 1977; Mares and Rosenzweig 1978; Brown et al. 1979; Reichman 1979; Inouye et al. 1980; Davidson et al. 1984; McAuliffe 1990; Price and Joyner 1997; Brown 1998)
—Frugivory (review by Bronstein et al. 2007)
—Galling insects (see next section, ii)

(ii) Plant Host-Parasite Interactions

—Broomrape (*Orobanche ludoviciana*, Musselman 1980)

—Sandfood (*Pholisma sonorae*, Nabhan 1980)

—Galling wasps (Fernandes and Price 1988; Price et al. 1994; Marchosky and Craig 2004)

(iii) Plant-Pollinator Mutualisms

—Pollinators (Chambers et al. 2004)

—Pollination by bees, with focus on plants (Waser 1979; McIntosh 2005; Cane et al. 2013)

—Pollination by bees, with focus on bees (e.g., Alcock 1980; Chappell 1982; Cooper et al. 1985; Alcock and Smith 1987; Buchmann et al. 1996; Minckley et al. 2003)

—Pollination by hawkmoths (e.g., Raguso and Willis 2003, 2005; Raguso et al. 2003)

—Pollination of yuccas (*Yucca* and *Hesperoyucca*) by yucca moths (*Tegeticula* and *Parategeticula*) (Keeley et al. 1984; Kiester et al. 1984; Addicott 1986; Turner et al. 1995, 2005; Pellmyr 1999, 2003; Good-Avila et al. 2006; Althoff et al. 2007; Smith et al. 2008)

—Pollination of figs by fig wasps (Gates and Nason 2012; Smith and Bronstein 1996)

—Pollination of columnar cacti by bats (Fleming et al. 2001; Simmons and Wetterer 2002; Bustamante et al. 2010; Fleming and Kress 2011), hawkmoths (Clark-Tapia and Molina-Freaner 2003, 2004), moths (Holland and Fleming 1999), hummingbirds (Johnsgard 1983), and other birds (McGregor et al. 1962)

(iv) Plant-Seed Disperser Mutualisms
—Dispersal by bats, rodents, and other mammals (Sherbrooke 1976; McAuliffe 1990; Fleming and Sosa 1994; Rojas-Aréchiga and Vázquez-Yanes 2000; Muscarella and Fleming 2007)
—Dispersal by birds (e.g., Larson 1996; Aukema 2004; Carlo and Tewksbury 2014)
—Dispersal by lizards (Sosa-Fernandez 1997)
—Dispersal by ants (Ness and Bressmer 2005)

(v) **Plant-Protective-Agent Mutualisms (i.e., extrafloral nectary [EFN]-ant protection mutualisms)**

—Protection mutualisms in desert cotton (*Gossypium thurberi*, e.g., Rudgers et al. 2003, Rudgers 2004; Rudgers and Gardener 2004)
—Protection mutualisms at the community scale (Chamberlain et al. 2010)
—Protection mutualisms from the ant’s perspective (Lanan and Bronstein 2013)

(vi) **Plant-Plant Interactions**

—Ability to form resource islands (e.g., Carrillo-Garcia et al. 1999; Suzan et al. 1996)
(vii) **Plant-Microbe Interactions**

—Endo- and ectomycorrhizal and dark septate fungi (Allen et al. 1981; Barrow et al. 1997a,b; Carrillo-Garcia et al. 1999; Stutz et al. 2000; Bashan et al. 2007; Bills and Stutz 2009)


—Endophytic bacteria (Puente and Bashan 1994; Puente et al. 2009a,b; Lopez et al. 2012)


—Other beneficial rhizosphere and rhizoplane microorganisms (Puente et al. 2004a,b; Andrew et al. 2012)

—Biological soil crusts (Bates et al. 2011; Strauss et al. 2012)
Supplemental Bibliography


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