# **Supplementary Material**

**Supplementary Table I:** Indicator Values (IV), relative frequency of the species within the plots and spfecies traits of understory vegetation in low-disturbed and high-disturbed stands. O–Geographic origin (nat = native, exo = exotic), LS–life span (sho = annuals/ biennials, lon = perennials), SPI–spinescence (nos = no spines, spi = species with spines) (traits and origin based on Maheshwari 1997).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Species name | Indicator value (\*IV value for LD, rest HD) | Relative Frequency | | | Species Traits | | |
| Total | Low Disturbed | High Disturbed | O | LS | SPI |
| *Ipomea arachnosperma* | 64.1\* | 35.0 | 66.67 | 3.33 | exo | Sho | nos |
| *Ipomea sindica* | 24.5\* | 18.33 | 30.0 | 6.67 | exo | Sho | nos |
| *Evolvulus alsinoides* | 10.4\* | 15.0 | 20.0 | 10.0 | nat | Lon | nos |
| *Cissampelos pareira* | 1.7\* | 3.33 | 3.33 | 3.33 | nat | Sho | nos |
| *Chloris dolichostachya* | 0.0 | 50.0 | 10.0 | 90.0 | nat | Sho | nos |
| *Setaria verticillata* | 4.4\* | 3.33 | 6.67 | 0.0 | nat | Sho | nos |
| *Leptadaenia reticulate* | 77.5\* | 46.67 | 83.33 | 10.0 | exo | Sho | nos |
| *Sida spinosa* | 13.9\* | 16.67 | 16.67 | 16.67 | exo | Lon | spi |
| *Aerva lanata* | 33.3 | 16.67 | 0.0 | 33.33 | nat | Sho | nos |
| *Pavonia zeylanica* | 5.0\* | 10.0 | 10.0 | 10.0 | nat | Sho | nos |
| *Aerva javanica* | 13.3 | 6.67 | 0.0 | 13.33 | nat | Sho | nos |
| *Tephrosia purpurea* | 6.7\* | 5.0 | 6.67 | 3.33 | nat | Sho | nos |
| *Coronopus didymus* | 10.0 | 5.0 | 0.0 | 10.0 | exo | Sho | nos |
| *Aloe vera* | 10.0 | 5.0 | 0.0 | 10.0 | exo | Lon | nos |
| *Barleria prionitis* | 10.0\* | 3.33 | 6.67 | 0.0 | nat | Lon | nos |
| *Desmodium gangeticum* | 6.7\* | 3.33 | 6.67 | 0.0 | nat | Sho | nos |
| *Alysicarpus bupleurifolius* | 1.7\* | 3.33 | 3.33 | 3.33 | nat | Lon | nos |
| *Arenaria serpyllifolia* | 1.7\* | 3.33 | 3.33 | 3.33 | exo | Sho | nos |
| *Corchorus capsularis* | 1.7\* | 3.33 | 3.33 | 3.33 | exo | Sho | nos |
| *Sida rhombifolia* | 16.0 | 3.33 | 3.33 | 3.33 | exo | Lon | nos |
| *Spergula arvensis* | 1.7\* | 3.33 | 3.33 | 3.33 | nat | Sho | nos |
| *Corchorus olitorius* | 3.3 | 1.67 | 0.0 | 3.33 | exo | Sho | nos |
| *Fumaria indica* | 3.3\* | 1.67 | 3.33 | 0.0 | nat | Sho | nos |
| *Adhatoda vasica* | 0.0 | 83.33 | 80.0 | 86.67 | nat | Lon | nos |
| *Capparis sepiaria* | 0.0 | 73.33 | 66.67 | 80.0 | nat | Lon | spi |
| *Urena lobata* | 0.0 | 53.33 | 83.33 | 23.33 | exo | Sho | nos |
| *Lantana camara* | 0.0 | 53.33 | 53.33 | 53.33 | exo | Lon | nos |
| *Carissa spinarum* | 0.0 | 28.33 | 43.33 | 13.33 | nat | Sho | spi |
| *Ziziphus mauritiana* | 23.2\* | 25.0 | 26.67 | 23.33 | nat | Lon | spi |
| *Ziziphus nummularia* | 18.5 | 8.33 | 6.67 | 10.0 | nat | Lon | spi |
| *Lycium barbarum* | 3.3\* | 6.67 | 10.0 | 3.33 | exo | Sho | spi |
| *Cardiospermum holicacabum* | 3.3 | 5.0 | 6.67 | 3.33 | nat | Sho | nos |
| *Malvastrum coromandelianum* | 4.4 | 5.0 | 3.33 | 6.67 | exo | Sho | nos |
| *Rivea hypocrateriformis* | 6.7\* | 3.33 | 6.67 | 0.0 | nat | Sho | nos |
| *Blepharis mollunginifolia* | 28.0 | 3.33 | 3.33 | 3.33 | exo | Sho | nos |

**Supplementary Table II:** Indicator values (IV) and relative frequency of tree species in low-disturbed (LD) and high-disturbed (HD) stands.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Species name | Indicator value | Relative Frequency | | |
| Total | LD | HD |
| *Prosopis juliflora* | 0 | 100.0 | 100.0 | 100.0 |
| *Leucaena leucocephala* | 40.0\* | 56.67 | 68.8 | 28.33 |
| *Pongamia pinnata* | 49.5\* | 28.33 | 53.33 | 3.33 |
| *Azadirachta indica* | 10.7\* | 10.0 | 16.67 | 3.33 |
| *Cassia fistula* | 13.3\* | 6.67 | 13.33 | 0.0 |
| *Diospyros cordifolia* | 13.3\* | 6.67 | 13.33 | 0.0 |
| *Syzygium cumini* | 10.0\* | 5.0 | 10.0 | 0.0 |
| *Acacia nilotica* | 3.3\* | 5.0 | 6.67 | 3.33 |
| *Albizia lebbeck* | 6.6\* | 3.33 | 6.67 | 0.0 |
| *Bombax ceiba* | 0.0 | 3.33 | 3.33 | 3.33 |
| *Butea monosperma* | 3.0 | 5.0 | 3.33 | 6.67 |
| *Acacia leucophloea* | 3.0 | 5.0 | 3.33 | 6.67 |
| *Acacia catechu* | 3.3\* | 1.67 | 3.33 | 0.0 |
| *Acacia Senegal* | 3.3\* | 1.67 | 3.33 | 0.0 |
| *Bauhinia variegate* | 3.3\* | 1.67 | 3.33 | 0.0 |
| *Citrus limonum* | 3.3\* | 1.67 | 3.33 | 0.0 |
| *Salvadora persica* | 3.3\* | 1.67 | 3.33 | 0.0 |
| *Drypetes roxburghii* | 3.3\* | 1.67 | 3.33 | 0.0 |
| *Thevetia peruviana* | 3.3\* | 1.67 | 3.33 | 0.0 |
| *Holoptelea integrifolia* | 3.3\* | 1.67 | 3.33 | 0.0 |
| *Euphorbia* sp*.* | 3.0 | 1.67 | 0.0 | 3.33 |

\*IV value for LD, rest HD