Damsels in distress – Seasons, habitat structure and water pollution changes damselfly diversity and assemblage in urban wetlands

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Supplementary Material

Appendix S1. List of odonates observed at studied localities. Numbers in the brackets show number of species in the given family. Abbreviation and symbol: X, presence; *, recorded off transect.

No.	Scientific Name	KDK	PL	PLD	SNT	VLH	VSU
Suborder: Anisoptera							
Family: Aeshnidae (4)							
1	<i>Anax spp.</i>						X
2	<i>Anax guttatus</i> (Burmeister, 1839)	X	X				X
3	<i>Anax immaculifrons</i> (Rambur, 1842)						X
4	<i>Gynacantha bayadera</i> * Selys, 1891				X		
Family: Gomphidae (3)							
5	<i>Burmagomphus spp.</i>						X
6	<i>Ictinogomphus rapax</i> (Rambur, 1842)	X	X		X	X	X
7	<i>Microgomphus annulatus</i> * (Selys, 1854)						X
Family: Libellulidae (20)							
8	<i>Acisoma panorpoides</i> Rambur, 1842		X				X
9	<i>Brachythemis contaminata</i> (Fabricius, 1793)	X	X		X	X	X
10	<i>Bradinopyga geminata</i> (Rambur, 1842)				X		X
11	<i>Crocothemis servilia</i> (Drury, 1770)	X	X		X	X	X
12	<i>Diplacodes trivialis</i> (Rambur, 1842)	X	X		X	X	X
13	<i>Neurothemis fulvia</i> (Drury, 1773)	X				X	
14	<i>Orthetrum sabina</i> (Drury, 1773)	X	X		X		X

15	<i>Orthetrum glaucum</i> (Brauer, 1865)			X			
16	<i>Orthetrum luzonicum</i> (Brauer, 1868)				X		X
17	<i>Orthetrum pruinosum</i> (Burmeister, 1839)	X	X		X	X	X
18	<i>Orthetrum taeniolatum</i> (Schneider, 1845)		X	X	X	X	X
19	<i>Pantala flavescens</i> (Fabricius, 1798)	X		X	X		X
20	<i>Potamarcha congener</i> * (Rambur, 1842)					X	
21	<i>Rhyothemis variegata</i> (Linnaeus, 1763)	X			X		X
22	<i>Tholymis tillarga</i> (Fabricius, 1798)	X					
23	<i>Tramea limbata</i> (Desjardins, 1832)	X					X
24	<i>Trithemis aurora</i> (Burmeister, 1839)	X	X	X		X	X
25	<i>Trithemis festiva</i> (Rambur, 1842)	X		X		X	X
26	<i>Trithemis pallidinervis</i> (Kirby, 1889)	X			X		
27	<i>Urothemis signata</i> Rambur, 1842	X	X				X
Family: Macromiidae (1)							
28	<i>Epophthalmia vittata</i> Burmeister, 1839		X				X
Suborder: Zygoptera							
Family: Chlorocyphidae (2)							
29	<i>Libellago lineata</i> * (Burmeister, 1839)	X				X	
30	<i>Heliocypha bisignata</i> (Hagen in Selys, 1853)					X	X
Family: Coenagrionidae (11)							
31	<i>Agriocnemis pygmaea</i> (Rambur, 1842)	X	X		X	X	X
32	<i>Cercion dyeri</i> Fraser, 1920	X					
33	<i>Ceriagrion coromandelianum</i> (Fabricius, 1798)	X	X		X		X
34	<i>Ischnura aurora</i> (Brauer, 1865)	X	X				X
41	<i>Ischnura nursei</i> * (Morton, 1907)		X				
35	<i>Ischnura senegalensis</i> (Rambur, 1842)	X	X		X		X
36	<i>Pseudagrion</i> spp.				X		
37	<i>Pseudagrion decorum</i> (Rambur, 1842)	X	X		X	X	
38	<i>Pseudagrion hypermelas</i> (Selys, 1876)	X					
39	<i>Pseudagrion microcephalum</i> (Rambur, 1842)		X				
40	<i>Pseudagrion rubriceps</i> (Selys, 1876b)	X	X	X	X	X	X
Family: Platycnemididae (2)							
42	<i>Copera marginipes</i> (Rambur, 1842)	X					X
43	<i>Disparoneura quadrimaculata</i> (Rambur, 1842)	X		X		X	
Family: Calopterygidae (1)							
44	<i>Vestalis gracilis</i> (Rambur, 1842)					X	

Appendix S2. Distribution of odonates across seasons. Abbreviation and symbol: X, presence.

	Pre-monsoon	Monsoon	Post-monsoon
Suborder: Anisoptera (Dragonfly)			
<i>Acisoma panorpoides</i>		X	X
<i>Anax guttatus</i>	X	X	
<i>Anax immaculifrons</i>	X		
<i>Anax spp.</i>	X		
<i>Brachythemis contaminata</i>	X	X	X
<i>Bradinopyga geminata</i>	X	X	
<i>Burmagomphus spp.</i>		X	
<i>Crocothemis servilia</i>	X	X	X
<i>Diplacodes trivialis</i>	X	X	X
<i>Ephthalma vittata</i>	X		X
<i>Ictinogomphus rapax</i>	X	X	X
<i>Neurothemis fulvia</i>		X	
<i>Orthetrum glaucum</i>	X		
<i>Orthetrum luzonicum</i>		X	
<i>Orthetrum prunosum</i>	X	X	X
<i>Orthetrum taeniolatum</i>	X	X	X
<i>Orthetrum sabina</i>	X	X	X
<i>Pantala flavescens</i>	X	X	X
<i>Rhyothemis variegata</i>	X	X	
<i>Tholymis tillarga</i>	X		
<i>Tramea limbata</i>	X	X	
<i>Trithemis aurora</i>	X	X	X
<i>Trithemis festiva</i>	X	X	X
<i>Trithemis pallidinervis</i>	X	X	X
<i>Urothemis signata</i>	X	X	
Suborder: Zygoptera (Damselfly)			
<i>Agriocnemis pygmaea</i>	X	X	X
<i>Cercion dyeri</i>		X	
<i>Ceriagrion coromandelinum</i>	X	X	X
<i>Copera marginipes</i>	X	X	X
<i>Disparoneura quadrimaculata</i>	X	X	
<i>Heliocypha bisignata</i>		X	X
<i>Ischnura aurora</i>		X	X
<i>Ischnura senegalensis</i>	X	X	X
<i>Pseudagrion decorum</i>	X	X	X
<i>Pseudagrion hypermelas</i>		X	X
<i>Pseudagrion microcephalum</i>			X
<i>Pseudagrion rubriceps</i>	X	X	X
<i>Pseudagrion spp.</i>		X	
<i>Vestalis apicalis</i>		X	