

**Anuran larvae diet from agroecosystem's ponds: environmental quality and implications for their populations**

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**Supplementary Tab. 1.** Relative abundance (N) and occurrence frequencies (OF) of algal genera and species present in diet of larvae from agroecosystems (A1, A2 and A3) and a semi-modified landscape (SM). Algae found exclusively in tadpole's gut or in water pond from a single site are highlighted in underlining.

Div.	Taxa	A1		A2		A3		SM	
		N (%)	OF	N (%)	OF	N (%)	OF	N (%)	OF
Cyanobacteria	<i>Anabaena</i> Bory ex Bornet & Flahault	0	0	0.02	1	0	0	0	0
	<i>Arthrospira</i> Sitenberger ex Gomont	0.25	1	0	0	0	0	0	0
	<i>Coelosphaerium</i> Nägeli	0	0	<u>0.02</u>	1	0	0	0	0
	Cyanophyceae filamentous	0	0	0.14	2	0.03	1	17.98	1
	<i>Oscillatoria</i> Vaucher ex Gomont	11.15	5	0	0	0.26	2	17.85	4
Chlorophyta	<i>Chlamydomonas</i> Ehrenberg	0	0	0.05	1	0.25	1	0	0
	<i>Dictyosphaerium</i> Nägeli	0	0	0.05	1	0	0	0	0
	<i>Kirchneriella</i> Schmidle	0	0	<u>0.02</u>	1	0	0	0	0
	<i>Microspora</i> Thuret	0.08	2	54.45	5	0.34	4	0	0
	<i>Monoraphidium</i> Komárková-Legnerová	0.07	2	0.31	2	0.04	4	0	0
	<i>Oedogonium</i> Link ex Hirn	0.00	0	10.36	4	0.06	3	0	0
	<i>Pediastrum</i> Meyen	0.04	1	0.12	2	0.05	2	0	0
	<i>Scenedesmus</i> Meyen	0.18	3	2.62	5	0.20	4	0	0
	<i>Stigeoclonium</i> Kützing	0.00	0	0.68	2	0.05	1	0	0
	<i>Tetraëdron</i> Kützing	0	0	0.02	1	0	0	0	0
Charophyta	<i>Ulothrix</i> Kützing	0	0	1.69	3	0	0	0	0
	<i>Closterium</i> Nitzsch ex Ralfs	0	0	0.06	2	0	0	0.06	2
	<i>Cosmarium</i> Corda ex Ralfs	0	0	0.24	5	0.02	3	0	0
	<i>Pleurotaenium</i> Nägeli	0	0	<u>0.02</u>	1	0	0	0	0
	<i>Spirogyra</i> Link	0	0	<u>0.14</u>	1	0	0	0	0
Ochromyphyta	<i>Staurastrum</i> Meyen ex Ralfs	0	0	0.19	5	0	0	0	0
	<i>Achnanthes</i> Bory	0.62	4	0.28	4	0.93	5	0.84	4
	<i>Amphora</i> Ehrenberg ex Kützing	0.14	4	0.05	2	0.22	5	0.15	3
	<i>Anomoeoneis</i> Pfizter	0.87	4	0	0	0.19	3	0	0
	<i>Aulacoseira granulata</i> (Ehrenberg) Simonsen	0.01	1	0	0	0	0	0.05	1
	<i>Caloneis</i> Cleve	<u>0.02</u>	1	0	0	0	0	0	0
	<i>Cocconeis placentula</i> Ehrenberg	0.08	1	0.05	2	0.05	3	0.16	1
	<i>Craticula cuspidata</i> (Kützing) D.G.Mann	0.09	3	0	0	0.13	4	0.02	1
	<i>Cyclotella meneghiniana</i> Kützing	2.09	4	0.06	2	1.33	5	0.03	1
	<i>Denticula</i> Kützing	0.07	3	0	0	0.40	5	0	0
	<i>Diatoma vulgare</i> Bory	2.14	3	0	0	0.04	2	0	0
	<i>Diploneis</i> Ehrenberg ex Cleve	0	0	0	0	<u>0.01</u>	1	0	0
	<i>Encyonema minutum</i> (Hilse) D.G.Mann	0.02	1	1.54	5	0.10	4	0.03	1
	<i>Eunotia</i> Ehrenberg	0.01	1	0.52	5	0.07	1	1.16	1
	<i>Fallacia pygmaea</i> (Kützing) A.J. Stickle & D.G.Mann	2.59	4	0	0	0.14	2	3.93	4
	<i>Fragilaria</i> Lyngbye	0	0	0.16	2	0.07	1	0.03	1
	<i>Gomphonema parvulum</i> Kützing	2.71	5	7.49	5	4.95	5	0.37	5
	<i>Gyrosigma</i> Hassall	0	0	0	0	1.42	1	0.28	5
	<i>Hantzschia amphioxys</i> (Ehrenberg) Grunow	0.77	5	0.07	1	0.56	4	0.78	3
	<i>Hippodonta</i> Lange-Bertalot, Witkowski & Metzeltin	0.59	3	0	0	0.18	3	0	0
	<i>Melosira varians</i> C.Agardh	0.03	2	0	0	0	0	4.18	1
	<i>Navicula</i> Bory	18.87	5	1.17	4	9.54	4	12.48	5
	<i>Nitzschia palea</i> (Kützing) W.Smith	46.97	5	9.39	5	63.39	5	6.85	5
	<i>Pinnularia</i> Ehrenberg	1.79	4	4.04	5	11.51	5	0.31	3
	<i>Rhopalodia</i> Otto Müller	0.03	2	0	0	0.39	5	0.10	1
	<i>Sellaphora pupula</i> (Kützing) Mereschkovsky	4.29	4	0.69	2	0.44	5	0.06	1
	<i>Surirella</i> Turpin	0.34	4	0	0	0.17	3	0	0
<i>Ulnaria ulna</i> (Nitzsch) P.Compère	0.73	5	0.23	2	0.91	5	0	0	
Euglenozoa	<i>Euglena</i> Ehrenberg	1.25	4	0.90	4	0.93	5	2.00	5
	<i>Phacus</i> Dujardin	0.67	5	0.54	4	0.62	5	0.19	3
	<i>Strombomonas</i> Deflandre	0.02	1	0	0	0.08	1	0	0
	<i>Trachelomonas</i> Ehrenberg	0.41	4	1.60	5	0.05	4	30.11	3

**Supplementary Tab. 2.** Relative abundance (N) of algal genera and species present in water samples from agroecosystems (A1, A2 and A3) and a semi-modified landscape (SM). Highest values are shown in underlining.

Div.	Taxa	A1	A2	A3	SM
Cyanobacteria	Undetermined genus <i>Chroococcales</i>	0	0	<u>39.79</u>	0
	<i>Chroococcus</i> Nägeli	0	0	0.90	0
	Undetermined genus <i>Cyanobacteria</i>	0	0	0.13	0
	<i>Oscillatoria</i> Vaucher ex Gomont	0.68	0	0	0
	<i>Pseudocapsa</i> Ercegovic	0	0	<u>20.80</u>	0
Chlorophyta	<i>Chlamydomonas</i> Ehrenberg	0.04	2.40	2.33	0
	Undetermined genus <i>Chlorococcales</i>	0	18.40	1.55	0
	<i>Coelastrum</i> Nägeli	0	0	0.26	0
	<i>Crucigenia</i> Morren	0	0	4.26	0
	<i>Dictyosphaerium</i> Nägeli	0.04	0	0	0
	<i>Micractinium</i> Fresenius	0	0	0.26	0
	<i>Monoraphidium</i> Komárková-Legnerová	0.34	0.40	0.26	0
	<i>Oedogonium</i> Link ex Hirn	0	0.40	0	0
	<i>Oocystis</i> Nägeli ex A.Braun	0.34	0	0	0
	<i>Pediastrum</i> Meyen	0	0.40	0	0
	<i>Scenedesmus</i> Meyen	0.30	0.80	4.91	0
<i>Sphaerocystis</i> Chodat	0	<u>56.00</u>	0.13	0	
<i>Tetraëdron</i> Kützing	0.04	0.40	0	0	
Charophyta	<i>Staurastrum</i> Meyen ex Ralfs	0.04	0	0	0
Ochrophyta	<i>Achnanthes</i> Bory	0.49	0	0	3.85
	<i>Amphora</i> Ehrenberg ex Kützing	0	0	0	1.92
	<i>Anomoeoneis</i> Pfitzer	0.11	0	0	0
	<i>Cocconeis placentula</i> Ehrenberg	0	0	0.13	0
	<i>Craticula cuspidata</i> (Kützing) D.G.Mann	0.26	0	0	1.92
	<i>Cyclotella meneghiniana</i> Kützing	0.79	0	0.65	0
	<i>Denticula</i> Kützing	0	0	0	1.92
	<i>Encyonema minutum</i> (Hilse) D.G.Mann	0	0	0.26	0
	<i>Gomphonema parvulum</i> Kützing	8.72	0.40	1.94	21.16
	<i>Hantzschia amphioxys</i> (Ehrenberg) Grunow	1.96	0	0.65	3.85
	<i>Melosira varians</i> C.Agardh	0	0	0	<u>23.08</u>
	<i>Navicula</i> Bory	0.83	0	0.78	11.54
	<i>Nitzschia palea</i> (Kützing) W.Smith	<u>81.36</u>	1.60	12.92	19.23
	<i>Pinnularia</i> Ehrenberg	0.26	0	1.42	0
	<i>Rhopalodia</i> Otto Müller	0	0	0	1.92
	<i>Sellaphora pupula</i> (Kützing) Mereschkovsky	1.51	0	0.52	1.92
	<i>Ulnaria ulna</i> (Nitzsch) P.Compère	0.68	0	0	0
Euglenozoa	<i>Euglena</i> Ehrenberg	0.75	14.80	3.49	0
	<i>Lepocynclis</i> Perty	0.11	0	0.26	0
	<i>Phacus</i> Dujardin	0.23	0	0.26	0
	<i>Trachelomonas</i> Ehrenberg	0.11	2.80	1.16	7.69
Protozoa	<i>Green flagellate</i>	0	0.80	0	0
	<i>Testate amoeba</i>	0	0.40	0	0