Supplementary Information

Table S1. Quantitative abundance data of post monsoon season

POST MOONSOON SEASON					
		QUANTITATIVE ANALYSIS OF PERIPHYTON EPIPELIC ORGANISMS IN THE SELECTED SAMPLING SITES			
STATIONS→		STATION-1	STATION-2	STATION-3	STATION-4
PERIPHYTON↓					
1. BLUE GREEN ALGAE					
Oscillatoria sp.		15	2895	102	75
Lyngbya sp		0	1	2	3
TOTAL NO. OF BLUE GREEN ALGAE (UNITS/M^2)	2	15	2896	104	78
2. GREEN ALGAE					
Pediastrum sp.		7	11	31	34
Staurastrum sp.		1	0	0	2
TOTAL NO. OF GREEN ALGAE (UNITS/M^2)	2	8	11	31	36
3. DINOFLAGELLATES					
Protoperidinium sp.		1	0	8	1

TOTAL NO. OF DINOFLAGELLATES (UNITS/M^2)	1	1	0	8	1
4. DIATOMS					
Synedra sp		3	175	658	69
Surirella sp.		5	1	14	10
Planktoniella sp		5	1	2	1
Aulacoseira sp.		1	2	2	0
Coscinodiscus sp.		47	45	118	81
Nitzschia sp		0	1	87	84
Navicula sp.		2	1	143	35
Pleurosigma sp		1	5	2	0
Pinnularia sp		1	2	32	20
TOTAL NO. OF DIATOMS	9	65	233	1058	300
TOTAL NO. OF PERIPHYTON (UNITS/M^2)	14	89	3140	1201	415
QUANTITATIVE ANALYSIS OF ZOOBENTHIC EPIPELIC ORGANISMS IN THE SELECTED SAMPLING SITES					
STATIONS→		STATION-1	STATION-2	STATION-3	STATION-4

ZOOBENTHIC↓					
1. TINTINIDS					
Leprotintinnus sp.		1	1	1	2
Tintinnopsis radix		0	10	5	0
Tintinnopsis acuminata		1	1	6	6
Tintinnopsis failakkaensis		2	2	1	2
Tintinnopsis gracilis		3	6	18	24
TOTAL NO. OF TINTINIDS ($NO./M^2$)	5	7	20	31	34
2. ROTIFERS					
Brachionus forficula		0	1	3	2
Brachionus plicatilis		8	2	4	2
Lecane bulla		12	1	11	8
TOTAL NO. OF ROTIFERS ($NO./M^2$)	3	20	4	18	12
3.COPEPODA					

Canthocamptus sp.		12	1	1	2
TOTAL NO. OF COPEPODS ($NO./M^2$)	1	12	1	1	2
4. FORAMINIFERA					
Rotalia sp.		4	110	61	157
Bolivina plicata		14	30	20	25
TOTAL NO. OF FORAMINIFERA ($NO./M^2$)	2	18	140	81	182
5. PROTOZOA					
Centropyxis sp.		4	13	21	43
Arcella sp		35	15	70	35
TOTAL NO. OF PROTOZOA ($NO./M^2$)	2	39	28	91	78
6. UNIDENTIFIED NEMATODE		67	85	324	49
TOTAL NO. OF NEMATODES ($NO./M^2$)	1	67	85	324	49

7 LARVAL FORMS					
Nauplius larvae of copepods		6	3	1	0
Trochophore larvae		1	2	2	1
Veliger larvae of bivalves		2	0	1	1
TOTALNO. OF LARVAL FORMS (NO./M^2)	3	9	5	4	2
TOTALNO. OF ZOOBENTHIC (NO./M^2)	17	172	283	550	359
		QUANTITATIVE ANALYSIS OF PERIPHYTON EPISSAMIC ORGANISMS IN THE SELECTED SAMPLING SITES			
STATIONS→		STATION-1	STATION-2	STATION-3	STATION-4
PERIPHYTON↓					
1. BLUE GREEN ALGAE					
Oscillatoria sp.		35	2124	34	51
Microcystis sp.		0	1	3	2
TOTAL NO. OF BLUE GREEN ALGAE (UNITS/M^2)	2	35	2125	37	53
2. GREEN ALGAE					

Pediastrum sp.		10	49	3	8
Staurastrum sp.		1	3	2	1
TOTAL NO. OF GREEN ALGAE (UNITS/M^2)	2	11	52	5	9
3. DINOFLAGELLATES					
Protoperidinium sp.		5	2	3	1
TOTAL NO. OF DINOFLAGELLATES (UNITS/M^2)	1	5	2	3	1
4. DIATOMS					
Synedra sp		43	90	10	29
Surirella sp.		0	2	3	6
Planktoniella sp		9	1	8	1
Aulacoseira sp.		1	0	2	2
Coscinodiscus sp.		83	175	97	97
Nitzschia sp		2	5	3	6
Navicula sp.		1	5	2	3
Bellerochea sp.		2	1	0	2

Biddulphia sp.		1	0	3	2
TOTAL NO. OF DIATOMS	9	142	279	128	148
TOTAL NO. OF PERIPHYTON (UNITS/M^2)	14	193	2458	173	211
QUANTITATIVE ANALYSIS OF ZOOBENTHIC EPISSAMIC ORGANISMS IN THE SELECTED SAMPLING SITES					
STATIONS→		STATION-1	STATION-2	STATION-3	STATION-4
ZOOBENTHIC↓					
1. TINTINIDS					
Leprotintinnus sp.		0	1	0	3
Tintinnopsis radix		0	15	1	0
Tintinnopsis acuminata		1	1	0	5
Tintinnopsis gracilis		3	19	3	14
TOTAL NO. OF TINTINIDS (NO./M^2)	4	4	36	4	22
2. ROTIFERS					
Brachionus plicatilis		10	2	1	0
Keratella cochlearis		2	1	0	0

Keratella tropica		3	1	1	1
Keratella lenzi		0	5	0	1
Brachionus angularis		1	1	2	0
Lecane bulla		44	11	22	10
Philodina sp.		1	2	0	0
TOTAL NO. OF ROTIFERS (NO./M^2)	7	61	23	26	12
3.COPEPODA					
Canthocamptus sp.		0	1	3	0
Oithona sp.		0	1	1	0
TOTAL NO. OF COPEPODS (NO./M^2)	2	0	2	4	0
4. FORAMINIFERA					
Rotalia sp.		35	28	12	11
Globigerina sp.		0	3	0	1
Bolivina plicata		2	5	1	5

TOTAL NO. OF FORAMINIFERA ($NO./M^2$)	3	37	36	13	17
5. PROTOZOA					
Centropyxis sp.		17	48	11	5
Arcella sp		104	59	78	51
Difflugia sp		1	8	0	1
TOTAL NO. OF PROTOZOA ($NO./M^2$)	3	122	115	89	57
6. UNIDENTIFIED NEMATODE		60	46	31	7
TOTAL NO. OF NEMATODES ($NO./M^2$)	1	60	46	31	7
TOTALNO. OF ZOOBENTHIC ($NO./M^2$)	20	284	258	167	115

Table S2. Quantitative abundance data of summer season

SUMMER SEASON					
		QUANTITATIVE ANALYSIS OF PERIPHYTON EPIPELIC ORGANISMS IN THE SELECTED SAMPLING SITES			
STATIONS→		STATION-1	STATION-2	STATION-3	STATION-4
PERIPHYTON↓					
1. BLUE GREEN ALGAE					
Oscillatoria sp.		70	65	301	425
Spirulina sp.		1	3	4	45
TOTAL NO. OF BLUE GREEN ALGAE (UNITS/M^2)	2	71	68	305	470
2. GREEN ALGAE					
Pediastrum simplex		12	3	5	10
Closterium sp.		1	0	4	0
TOTAL NO. OF GREEN ALGAE (UNITS/M^2)	2	13	3	9	10
3. DINOFLAGELLATES					
Protoperidinium sp.		1	0	1	2

TOTAL NO. OF DINOFLAGELLATES (UNITS/M^2)	1	1	0	1	2
4. DIATOMS					
Synedra sp		75	47	20	51
Coscinodiscus sp.		155	10	37	210
Nitzschia sp		6	5	26	24
Navicula sp.		17	12	16	256
Pleurosigma sp		22	51	187	110
Surirella sp.		8	2	4	7
TOTAL NO. OF DIATOMS	6	283	127	290	658
TOTAL NO. OF PERIPHYTON (UNITS/M^2)	11	368	198	605	1140
QUANTITATIVE ANALYSIS OF ZOOBENTHIC EPIPELIC ORGANISMS IN THE SELECTED SAMPLING SITE					
STATIONS→		STATION-1	STATION-2	STATION-3	STATION-4
ZOOBENTHIC↓					
1. TINTINIDS					
Tintinnopsis acuminata		5	0	0	3

Tintinnopsis dadayi		3	2	1	3
Tintinnopsis radix		1	0	1	1
TOTAL NO. OF TINTINIDS (No./M^2)	3	9	2	2	7
2. ROTIFERS					
Lecane bulla		6	0	4	11
B. plicatilis		1	1	2	0
TOTAL NO. OF ROTIFERS (No./M^2)	2	7	1	6	11
3. FORAMINIFERA					
Globigerina sp.		3	1	1	0
Rotalia sp.		3	4	7	7
Bolivina sp.		0	1	2	0
TOTAL NO. OF FORAMINIFERA (No./M^2)	3	6	6	10	7
4. PROTOZOA					
Centropyxis sp.		1	0	0	3

TOTAL NO. OF PROTOZOA (No./M^2)	1	1	0	0	3
5. UNIDENTIFIED NEMATODE		275	61	124	315
TOTAL NO. OF NEMATODES (No./M^2)	1	275	61	124	315
6. COPEPODA					
Canthocamptus sp.		0	1	0	4
TOTAL NO. OF COPEPODA (No./M^2)	1	0	1	0	4
7. LARVAL FORMS					
Nauplius larvae of copepods		0	1	1	10
Cirripede larvae		0	4	1	1
TOTALNO. OF LARVAL FORMS (No./M^2)	2	0	5	2	11
TOTALNO. OF ZOOBENTHIC (No./M^2)	13	298	76	144	358

		QUANTITATIVE ANALYSIS OF PERIPHYTON EPISSAMIC ORGANISMS IN THE SELECTED SAMPLING SITES			
STATIONS→		STATION-1	STATION-2	STATION-3	STATION-4
PERIPHYTON↓					
1. BLUE GREEN ALGAE					
Oscillatoria sp.		10	23	30	47
Spirulina sp.		0	1	0	1
TOTAL NO. OF BLUE GREEN ALGAE (UNITS/M^2)	2	10	24	30	48
2. GREEN ALGAE					
Pediastrum sp.		4	2	1	1
TOTAL NO. OF GREEN ALGAE (UNITS/M^2)	1	4	2	1	1
3. DIATOMS					
Synedra sp		46	465	4	31
Coscinodiscus sp.		74	87	15	86
Nitzschia sp		0	1	9	4
Navicula sp.		1	2	2	0
Pleurosigma sp		1	6	34	2
Cerataulina sp.		1	0	1	1

TOTAL NO. OF DIATOMS	6	123	561	65	124
TOTAL NO. OF PERIPHYTON (UNITS/M^2)	9	137	587	96	173
QUANTITATIVE ANALYSIS OF ZOOBENTHIC EPISSAMIC ORGANISMS IN THE SELECTED SAMPLING SITES					
STATIONS→		STATION-1	STATION-2	STATION-3	STATION-4
ZOOBENTHIC↓					
1. TINTINIDS					
*Tintinnopsis g*racilis		0	0	1	1
Tintinnopsis acuminata		1	0	0	2
Tintinnopsis dadayi		0	1	0	7
Favella sp.		1	0	1	2
TOTAL NO. OF TINTINIDS (No./m^2)	4	2	1	2	12
2. ROTIFERS					
Keratella cochlearis		2	1	0	0
Lecane bulla		0	1	1	1
TOTAL NO. OF ROTIFERS (No./m^2)	2	2	2	1	1

3. FORAMINIFERA					
Rotalia sp.	2	22	14	3	1
Bolivina sp.		1	3	1	2
TOTAL NO. OF FORAMINIFERA (No./m^2)		23	17	4	3
4. PROTOZOA					
Centropyxis sp.		9	0	1	29
TOTAL NO. OF PROTOZOA (No./m^2)	1	9	0	1	29
5. UNIDENTIFIED NEMATODE		42	18	16	14
TOTAL NO. OF NEMATODES (No./m^2)	1	42	18	16	14
6. COPEPODA					
Canthocamptus sp.		2	0	1	1
Tortanus sp.		1	0	0	1
TOTAL NO. OF COPEPODA (No./m^2)	2	3	0	1	2
TOTAL NO. OF ZOOBENTHIC (No./m^2)	12	81	38	25	61

Table S3. Quantitative abundance data of winter season

WINTER SEASON					
		QUANTITATIVE ANALYSIS OF PERIPHYTON EPIPELIC ORGANISMS IN THE SELECTED SAMPLING SITES			
STATIONS→		STATION-1	STATION-2	STATION-3	STATION-4
PERIPHYTON↓					
1. BLUE GREEN ALGAE					
Oscillatoria sp.		1249	339	165	5450
Spirulina sp.		11	12	15	658
TOTAL NO. OF BLUE GREEN ALGAE (UNITS/M^2)	2	1260	351	180	6108
2. GREEN ALGAE					
Pediastrum sp.		1	2	1	3
TOTAL NO. OF GREEN ALGAE (UNITS/M^2)	1	1	2	1	3
3. DINOFLAGELLATES					
Polykrikos sp.		4	1	3	5

Protoperidinium sp.		2	1	5	4
TOTAL NO. OF DINOFLAGELLATES (UNITS/M^2)	2	6	2	8	9
4. DIATOMS					
Synedra sp		984	497	420	66
Coscinodiscus sp.		70	48	135	31
Nitzschia sp		1	7	176	12
Navicula sp.		10	27	194	59
Pleurosigma sp		50	20	20	6
Pinnularia sp		17	10	8	17
Melosira sp.		1175	57	12	16
Surirella sp.		10	32	11	9
TOTAL NO. OF DIATOMS	8	2317	698	976	216
TOTAL NO. OF PERIPHYTON (UNITS/M^2)	13	3584	1053	1165	6336
QUANTITATIVE ANALYSIS OF ZOOBENTHIC EPIPELIC ORGANISMS IN THE SELECTED SAMPLING SITES					
STATIONS→		STATION-1	STATION-2	STATION-3	STATION-4

ZOOBENTHIC↓					
1. TINTINIDS					
Tintinnopsis acuminata		4	6	2	1
Tintinnopsis dadayi		6	5	2	3
TOTAL NO. OF TINTINIDS (NO./M^2)	2	10	11	4	4
2. ROTIFERS					
Lecane bulla		1	1	5	5
TOTAL NO. OF ROTIFERS (NO./M^2)	1	1	1	5	5
3. FORAMINIFERA					
Rotalia sp.		10	12	5	9
TOTAL NO. OF FORAMINIFERA (NO./M^2)	1	10	12	5	9
4. PROTOZOA					
Centropyxis sp.		3	2	1	0
Euglena sp.		2	2	3	3
TOTAL NO. OF PROTOZOA (NO./M^2)	2	5	4	4	3

5. UNIDENTIFIED NEMATODE		350	296	26	170
TOTAL NO. OF NEMATODES (NO./M^2)	1	350	296	26	170
6. COPEPODA					
Canthocamptus sp.		1	2	1	3
Microsetella sp.		1	1	2	0
TOTAL NO. OF COPEPODA (NO./M^2)	2	2	3	3	3
7. LARVAL FORMS					
Nauplius larvae of copepods		8	3	5	4
TOTALNO. OF LARVAL FORMS (NO./M^2)	1	8	3	5	4
TOTALNO. OF ZOOBENTHIC (NO./M^2)	10	386	330	52	198
		QUANTITATIVE ANALYSIS OF PERIPHYTON EPISSAMIC ORGANISMS IN THE SELECTED SAMPLING SITES			
STATIONS→		STATION-1	STATION-2	STATION-3	STATION-4
PERIPHYTON↓					
1. BLUE GREEN ALGAE					

Oscillatoria sp.		665	42	39	470
Spirulina sp.		1	1	5	195
TOTAL NO. OF BLUE GREEN ALGAE (UNITS/M^2)	2	666	43	44	665
2. GREEN ALGAE					
Pediastrum sp.		5	0	5	14
Ulothrix sp.		2	1	1	7
TOTAL NO. OF GREEN ALGAE (UNITS/M^2)	2	7	1	6	21
3. DINOFLAGELLATES					
Polykrikos sp.		3	2	1	0
Peridinium sp.		1	4	1	10
TOTAL NO. OF DINOFLAGELLATES (UNITS/M^2)	2	4	6	2	10
4. DIATOMS					
Synedra sp		1325	100	665	210
Aulacoseira sp.		2	3	5	6

Coscinodiscus sp.		60	35	28	124
Nitzschia sp		2	4	689	4
Navicula sp.		3	5	452	11
Pleurosigma sp		25	3	26	6
Pinnularia sp		5	1	32	14
Melosira sp.		70	5	4	1
Surirella sp.		2	2	1	1
TOTAL NO. OF DIATOMS	9	1494	158	1902	377
TOTAL NO. OF PERIPHYTON (UNITS/M^2)	15	2171	208	1954	1073
QUANTITATIVE ANALYSIS OF ZOOBENTHIC EPISSAMIC ORGANISMS IN THE SELECTED SAMPLING SITES					
STATIONS→		STATION-1	STATION-2	STATION-3	STATION-4
ZOOBENTHIC↓					
1. TINTINIDS					
Leprotintinnus sp.		1	3	2	2
Tintinnopsis radix		0	0	0	2
Tintinnopsis dadayi		1	7	2	6
TOTAL NO. OF TINTINIDS (NO./M^2)	3	2	10	4	10

2. ROTIFERS					
Keratella tropica		0	1	1	3
Brachionus plicatilis		1	1	2	0
Lecane bulla		2	3	11	5
TOTAL NO. OF ROTIFERS (NO./M^2)	3	3	5	14	8
3. FORAMINIFERA					
Rotalia sp.	1	8	1	3	8
TOTAL NO. OF FORAMINIFERA (NO./M^2)		8	1	3	8
4. PROTOZOA					
Centropyxis sp.		0	0	1	5
Euglena sp.		1	2	2	8
TOTAL NO. OF PROTOZOA (NO./M^2)	2	1	2	3	13
5. UNIDENTIFIED NEMATODE		110	11	23	11

TOTAL NO. OF NEMATODES ($NO./M^2$)	1	110	11	23	11
TOTAL NO. OF ZOOBENTHIC ($NO./M^2$)	10	124	29	47	50