SUPPORTING INFORMATION

**Table S1.** Study locations, biomes and its corresponding references.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Biome** | **lat** | **long** | **Ref.** |
|  | *Amazon* |  |  |  |
|  |  | -2.12737 | -59.3277 | Silva 2006 |
| 12 |  | -3.08246 | -59.7675 | Mérona & Rankin-de-Mérona, 2004 |
| 32 |  | -9.23588 | -56.9429 | Dary *et al.*, 2017 |
| 34 |  | -3.56246 | -54.8903 | Cardoso & Couceiro, 2017 |
| 43 |  | -4.33037 | -49.5653 | Mérona *et al.*, 2001 |
| 45 |  | -4.73313 | -62.1543 | (Duarte and others 2019) |
|  | *Cerrado* |  |  |  |
| 01 |  | -15.9329 | -47.884 | Leite *et al.*, 2015 |
| 02 |  | -15.7186 | -48.0138 | Schneider *et al.*, 2011 |
| 03 |  | -14.4367 | -48.5814 | Mazzoni *et al.*, 2010 |
| 04 |  | -11.888 | -52.2246 | Carmo 2013 |
| 06 |  | -15.58 | -52.3067 | Melo *et al.*, 2004 |
| 08 |  | -15.934 | -56.0369 | Corrêa *et al.*, 2011 |
|  |  | -21.2666 | -44.059 | Gandini *et al.*, 2012 |
| 21 |  | -20.6853 | -53.5437 | Silva *et al.*, 2017 |
| 22 |  | -22.0035 | -53.8057 | Brandão-Gonçalves *et al.*, 2010 |
| 26 |  | -12.1667 | -47.75 | Pereira 2010 |
| 27 |  | -9.43333 | -50.1667 | Pereira 2010 |
| 28 |  | -11.7833 | -48.6167 | Pereira *et al.*, 2007 |
| 31 |  | -21.3003 | -56.4355 | Romero 2011 |
| 39 |  | -15.1032 | -49.4467 | Mello 2019 |
| 40 |  | -18.6031 | -51.953 | Aloisio 2006 |
| 41 |  | -13.1558 | -49.1653 | Sales 2015 |
| 49 |  | -20.685 | -56.7783 | Fuentes 2011 |
|  | *Atlantic Forest* |  |  |  |
| 06 and 36 |  | -23.3965 | -51.8506 | Silva 2013 |
| 07 |  | -19.0248 | -40.2295 | Machado 2017 |
| 09 |  | -18.2261 | -40.0756 | Nascimento 2019 |
| 19 |  | -25.1621 | -53.8295 | Baldasso *et al.*, 2019 |
| 13 |  | -23.8382 | -54.349 | Lopes *et al.*, 2016 |
| 14 |  | -23.256 | -46.9613 | Rolla *et al.*, 2009 |
| 15 |  | -25.365 | -48.8321 | Wolff *et al.*, 2013 |
| 16 |  | -25.5461 | -53.2977 | Delariva *et al.*, 2013 |
| 17 |  | -23.5365 | -51.7831 | Silva *et al.*, 2012 |
| 18 |  | -25.08 | -53.6242 | Neves *et al.*, 2015 |
| 19 |  | -22.5984 | -52.2459 | Casatti, 2002 |
| 23 |  | -22.8022 | -45.4489 | Andrade 2004 |
| 24 |  | -22.5156 | -47.6706 | Rondineli 2007 |
| 25 |  | -23.3234 | -51.8903 | Bonato *et al.*, 2012 |
| 29 |  | -23.3197 | -51.1964 | Oliveira & Bennemann, 2005 |
| 30 |  | -23.6374 | -45.8131 | Esteves *et al.*, 2008 |
| 33 |  | -28.7068 | -52.8734 | (Bonato and others 2017) |
| 35 |  | -24.4166 | -47.25 | Gonçalves *et al.*, 2018 |
| 10 |  | -23.3643 | -52.0189 | Silva 2013 |
| 37 |  | -20.7951 | -51.5146 | Luiz *et al.*, 1998 |
| 38 |  | -18.1388 | -40.0213 | Silva 2019 |
| 42 |  | -20.75 | -49.3333 | Rocha *et al.*, 2009 |
| 44 |  | -23.7333 | -45.85 | Esteves & Lobon-Cervia, 2001 |
| 46 |  | -23.5334 | -52.0185 | Garcia 2019 |
| 47 |  | -23.3847 | -51.947 | Mise 2012 |
| 48 |  | -20.5761 | -47.785 | Brambilla *et al.*, 2019 |

**Table S2.** Classes of anthropic impact on land use in a 500-meter buffer on each local network. P (pasture); APC (annual and perennial culture); SPC (semi perennial culture); MAP (Mosaic of cropland and pasture); UI (urban infrastructure); ANVA (another non-vegetated area); PPF (percent planted forest); M (mining). Note that native land-uses are not all provided here, therefore the sum of rows will not necessarily be 100%.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **P** | **APC** | **SPC** | **MAP** | **UI** | **ANVA** | **PPF** | **M** |
| 01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 03 | 43.9483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 05 | 0 | 82.31511 | 0 | 7.181136 | 0 | 0 | 0 | 0 |
| 06 | 80.66667 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07 | 0 | 0 | 0 | 7.075472 | 0 | 0 | 0 | 0 |
| 08 | 3.912543 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 09 | 66.89655 | 0 | 0 | 20.45977 | 0 | 0 | 0 | 0 |
| 10 | 4.282407 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 58.60963 | 8.128342 | 0 | 25.5615 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 15.20165 | 0 | 0 | 2.895553 | 0 | 0 | 0 | 0 |
| 17 | 9.195402 | 65.4023 | 0 | 23.21839 | 0 | 0 | 0 | 0 |
| 18 | 12.73533 | 9.634551 | 0 | 21.70543 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 70.72626 | 0 | 0 | 4.022346 | 0 | 0 | 18.10056 | 0 |
| 21 | 27.73019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 99.5785 | 0 | 0 | 0.421496 | 0 | 0 | 0 | 0 |
| 23 | 26.44444 | 0 | 0 | 28.11111 | 0 | 0 | 0.222222 | 0 |
| 24 | 9.237875 | 1.732102 | 65.35797 | 23.67206 | 0 | 0 | 0 | 0 |
| 25 | 25.73363 | 60.72235 | 0 | 12.86682 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 4.508671 | 0 | 0 |
| 29 | 5.995717 | 6.102784 | 0 | 41.64882 | 39.93576 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 51.08324 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 0.913242 | 67.57991 | 0 | 6.621005 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0.222222 | 0 | 0 | 0 | 0 |
| 36 | 5.989305 | 52.62032 | 0 | 29.94652 | 0 | 0 | 0 | 0 |
| 37 | 69.95662 | 0 | 0 | 13.88286 | 0 | 0 | 0 | 0 |
| 38 | 1.194743 | 78.01673 | 0 | 11.23059 | 0 | 0 | 4.181601 | 0 |
| 39 | 38.8009 | 3.054299 | 9.728507 | 0 | 0 | 0 | 0 | 0 |
| 40 | 38.27581 | 5.658085 | 0 | 0 | 0 | 1.603977 | 0 | 0 |
| 41 | 63.90728 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | 90.90909 | 0 | 0 | 7.134638 | 0 | 0 | 0 | 0 |
| 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 0.493093 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | 0.446429 | 71.79236 | 0 | 3.106803 | 0 | 0 | 0 | 0 |
| 47 | 6.417756 | 56.34418 | 2.125261 | 12.90419 | 14.67073 | 0.054549 | 0.089954 | 0 |
| 48 | 3.026906 | 5.381166 | 47.98206 | 0 | 0 | 0 | 0 | 0 |
| 49 | 21.71123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Table S3.** Percentage of the number of species that preferentially feed on terrestrial and aquatic insects, debris, plant material, algae and fish for each local network.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Omnivores** | **Invertivores** | **Detritivores** | **Herbivores** | **Algivores** | **Piscivores** |
| 01 | 0.50 | 0.13 | 0.25 | 0.00 | 0.00 | 0.13 |
| 02 | 0.23 | 0.46 | 0.15 | 0.08 | 0.00 | 0.00 |
| 03 | 0.18 | 0.53 | 0.29 | 0.00 | 0.00 | 0.00 |
| 04 | 0.00 | 0.08 | 0.15 | 0.00 | 0.08 | 0.54 |
| 05 | 0.00 | 0.78 | 0.22 | 0.00 | 0.00 | 0.00 |
| 06 | 0.07 | 0.45 | 0.20 | 0.18 | 0.04 | 0.04 |
| 07 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 08 | 0.10 | 0.33 | 0.18 | 0.08 | 0.00 | 0.31 |
| 09 | 0.00 | 0.20 | 0.00 | 0.20 | 0.60 | 0.00 |
| 10 | 0.06 | 0.38 | 0.19 | 0.13 | 0.00 | 0.25 |
| 11 | 0.00 | 0.78 | 0.22 | 0.00 | 0.00 | 0.00 |
| 12 | 0.07 | 0.33 | 0.15 | 0.21 | 0.07 | 0.17 |
| 13 | 0.15 | 0.31 | 0.38 | 0.08 | 0.08 | 0.00 |
| 14 | 0.36 | 0.45 | 0.14 | 0.05 | 0.00 | 0.00 |
| 15 | 0.00 | 0.53 | 0.33 | 0.07 | 0.00 | 0.07 |
| 16 | 0.06 | 0.39 | 0.06 | 0.28 | 0.00 | 0.22 |
| 17 | 0.07 | 0.50 | 0.29 | 0.14 | 0.00 | 0.00 |
| 18 | 0.29 | 0.57 | 0.14 | 0.00 | 0.00 | 0.00 |
| 19 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20 | 0.19 | 0.13 | 0.23 | 0.35 | 0.00 | 0.10 |
| 21 | 0.00 | 0.57 | 0.00 | 0.43 | 0.00 | 0.00 |
| 22 | 0.43 | 0.00 | 0.29 | 0.14 | 0.14 | 0.00 |
| 23 | 0.00 | 0.70 | 0.10 | 0.10 | 0.00 | 0.10 |
| 24 | 0.06 | 0.82 | 0.06 | 0.00 | 0.00 | 0.06 |
| 25 | 0.18 | 0.71 | 0.06 | 0.00 | 0.00 | 0.06 |
| 26 | 0.00 | 0.70 | 0.10 | 0.10 | 0.05 | 0.05 |
| 27 | 0.14 | 0.68 | 0.00 | 0.03 | 0.14 | 0.03 |
| 28 | 0.10 | 0.68 | 0.16 | 0.00 | 0.00 | 0.06 |
| 29 | 0.57 | 0.00 | 0.29 | 0.00 | 0.14 | 0.00 |
| 30 | 0.13 | 0.47 | 0.40 | 0.00 | 0.00 | 0.00 |
| 31 | 0.00 | 0.67 | 0.22 | 0.00 | 0.11 | 0.00 |
| 32 | 0.09 | 0.35 | 0.03 | 0.23 | 0.05 | 0.26 |
| 33 | 0.27 | 0.45 | 0.00 | 0.09 | 0.00 | 0.18 |
| 34 | 0.05 | 0.90 | 0.00 | 0.05 | 0.00 | 0.00 |
| 35 | 0.05 | 0.70 | 0.25 | 0.00 | 0.00 | 0.00 |
| 36 | 0.00 | 0.33 | 0.33 | 0.33 | 0.00 | 0.00 |
| 37 | 0.10 | 0.29 | 0.35 | 0.10 | 0.03 | 0.13 |
| 38 | 0.00 | 0.71 | 0.00 | 0.00 | 0.29 | 0.00 |
| 39 | 0.00 | 0.00 | 0.33 | 0.33 | 0.00 | 0.17 |
| 40 | 0.00 | 0.50 | 0.00 | 0.17 | 0.00 | 0.33 |
| 41 | 0.00 | 0.64 | 0.29 | 0.07 | 0.00 | 0.00 |
| 42 | 0.17 | 0.58 | 0.17 | 0.00 | 0.00 | 0.00 |
| 43 | 0.24 | 0.27 | 0.21 | 0.15 | 0.03 | 0.25 |
| 44 | 0.14 | 0.36 | 0.43 | 0.00 | 0.00 | 0.07 |
| 45 | 0.39 | 0.39 | 0.00 | 0.17 | 0.00 | 0.00 |
| 46 | 0.00 | 0.50 | 0.37 | 0.12 | 0.00 | 0.00 |
| 47 | 0.00 | 0.86 | 0.06 | 0.06 | 0.00 | 0.00 |
| 48 | 0.22 | 0.33 | 0.33 | 0.11 | 0.11 | 0.00 |
| 49 | 0.00 | 0.66 | 0.22 | 0.00 | 0.11 | 0.00 |
| **Mean** | **0.11** | **0.49** | **0.17** | **0.09** | **0.04** | **0.07** |

**Table S4.** Network descriptors used in the study. Network metrics follow May 1973, Tilman 1996; Dunne et al., 2002; May 1973, Stouffer & Bascompte 2011; Almeida‐Neto, et al., 2008.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Nestedness (*NODF)*** | ***Modularity (Q)*** | **Specialization (*H2’)*** | **Number of links** | **Number of species** | **Link density** |
| 01 | 59.29 | 0.2 | 0.29 | 21.41 | 8 | 13.08 |
| 02 | 34.43 | 0.15 | 0.43 | 24.07 | 13 | 16.69 |
| 03 | 20.17 | 0.36 | 0.53 | 3.78 | 17 | 6.85 |
| 04 | 5.66 | 0.65 | 0.99 | 1.78 | 13 | 2.5 |
| 05 | 52.16 | 0.12 | 0.52 | 5.75 | 9 | 6.48 |
| 06 | 31.82 | 0.18 | 0.66 | 5.99 | 71 | 21.17 |
| 07 | 18.44 | 0.48 | 0.82 | 4.81 | 6 | 3.76 |
| 08 | 25.71 | 0.23 | 0.73 | 4.11 | 39 | 12.01 |
| 09 | 16.77 | 0.29 | 0.83 | 6.76 | 5 | 4.97 |
| 10 | 27.49 | 0.3 | 0.65 | 6.94 | 31 | 9.61 |
| 11 | 45.73 | 0.14 | 0.5 | 12.64 | 9 | 9.36 |
| 12 | 19.62 | 0.27 | 0.65 | 5.22 | 75 | 18.19 |
| 13 | 29.4 | 0.2 | 0.67 | 3.49 | 13 | 5.57 |
| 14 | 49.25 | 0.14 | 0.42 | 8.52 | 22 | 13.01 |
| 15 | 38.71 | 0.2 | 0.74 | 5.14 | 15 | 7.6 |
| 16 | 27.66 | 0.23 | 0.63 | 6.45 | 18 | 8.09 |
| 17 | 32.22 | 0.18 | 0.57 | 18.68 | 14 | 13.65 |
| 18 | 20.61 | 0.3 | 0.62 | 9 | 7 | 6.3 |
| 19 | 22.01 | 0.4 | 0.54 | 8.57 | 11 | 6.39 |
| 20 | 37.49 | 0.2 | 0.64 | 5.15 | 32 | 11.59 |
| 21 | 40.98 | 0.13 | 0.37 | 15.42 | 7 | 10.37 |
| 22 | 60.71 | 0.21 | 0.46 | 4.79 | 7 | 4.86 |
| 23 | 44.28 | 0.19 | 0.47 | 8.02 | 10 | 7.26 |
| 24 | 43.84 | 0.17 | 0.37 | 10.17 | 17 | 10.77 |
| 25 | 31.57 | 0.2 | 0.5 | 11.11 | 15 | 10 |
| 26 | 32.61 | 0.17 | 0.58 | 5.86 | 20 | 10.06 |
| 27 | 38.21 | 0.16 | 0.59 | 6.21 | 37 | 15.17 |
| 28 | 35.99 | 0.09 | 0.35 | 7.67 | 50 | 24.65 |
| 29 | 24.93 | 0.2 | 0.43 | 16.5 | 7 | 10.69 |
| 30 | 26.39 | 0.15 | 0.4 | 5.63 | 15 | 9.02 |
| 31 | 9.8 | 0.49 | 0.86 | 2.12 | 9 | 2.62 |
| 32 | 30.05 | 0.23 | 0.72 | 6.28 | 66 | 19.16 |
| 33 | 46.11 | 0.22 | 0.42 | 30.81 | 11 | 18.47 |
| 34 | 32.42 | 0.22 | 0.41 | 2.41 | 21 | 9.25 |
| 35 | 37.05 | 0.28 | 0.81 | 7.36 | 20 | 8.51 |
| 36 | 63.57 | 0.17 | 0.6 | 5.53 | 6 | 5.07 |
| 37 | 21.73 | 0.26 | 0.61 | 10.1 | 31 | 11.91 |
| 38 | 13.33 | 0.37 | 0.7 | 10.91 | 7 | 7.11 |
| 39 | 27.78 | 0.4 | 0.78 | 3.84 | 6 | 3.42 |
| 40 | 36.58 | 0.15 | 0.63 | 6.46 | 6 | 5.54 |
| 41 | 23.59 | 0.29 | 0.82 | 3.78 | 28 | 8.91 |
| 42 | 33.32 | 0.24 | 0.33 | 13.23 | 12 | 9.86 |
| 43 | 30.53 | 0.21 | 0.64 | 4.31 | 99 | 29.1 |
| 44 | 46.25 | 0.18 | 0.59 | 7.6 | 14 | 8.44 |
| 45 | 39.63 | 0.14 | 0.37 | 9.56 | 28 | 15.18 |
| 46 | 36.46 | 0.22 | 0.7 | 11.84 | 16 | 9.76 |
| 47 | 40.3 | 0.09 | 0.46 | 5.31 | 15 | 9.19 |
| 48 | 49.45 | 0.3 | 0.75 | 5.63 | 9 | 5.42 |
| 49 | 10.42 | 0.52 | 0.86 | 2.44 | 9 | 2.67 |

**Table S5.** Pearson’s correlation among the network descriptors

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Nestedness (*NODFzscore*)** | **Modularity (*Qzscore*)** | **Specialiation (*H2’*)** | **Number of Links** | **Number of species** | **Link density** |
| **Nestedness (*NODFzscore*)** | 1.0 | -0.70 | -0.57 | 0.30 | -0.12 | 0.16 |
| **Modularity (*Qzscore*)** |  | 1.0 | 0.71 | -0.32 | -0.16 | -0.49 |
| **Specialiation (*H2’*)** |  |  | 1.0 | -0.53 | 0.07 | -0.37 |
| **Number of Links** |  |  |  | 1.0 | -0.22 | 0.33 |
| **Number of species** |  |  |  |  | 1.0 | 0.80 |
| **Link density** |  |  |  |  |  | 1.0 |

SUPPORTING INFORMATION REFERENCES

Aloísio, G. R. (2006). Análise da comunidade de peixes e da teia trófica de um trecho do rio Corrente-GO. Master's thesis, Universidade Estadual de Maringá.

Andrade, P. D. M. (2005). Distribuição, dieta e ecomorfologia das espécies de peixes no sistema do ribeirão Grande, no município de Pindamonhangaba, SP. Tese de PhD, Universidade Estadual Paulista “Júlio de Mesquita Filho”.

Baldasso, M.C., Wolff, L.L., Neves, M.P. & Delariva, R.L. (2019) Ecomorphological variations and food supply drive trophic relationships in the fish fauna of a pristine neotropical stream. *Environmental Biology of Fishes*, 783–800. <https://doi.org/10.4025/actascibiolsci.v23i0.2696>

Bonato, K.O., Burress, E.D. & Fialho, C.B. (2017) Dietary differentiation in relation to mouth and tooth morphology of a neotropical characid fish community. *Zoologischer Anzeiger*, 267, 31–40. <https://doi.org/10.1016/j.jcz.2017.01.003>

#### *Bonato, K.O., Delariva, R.L. & da Silva, J.C. (2012) Diet and trophic guilds of fish assemblages in two streams with different anthropic impacts in the northwest of Paraná, Brazil.* Zoologia, *29, 27–38. http://dx.doi.org/10.1590/S1984-46702012000100004*

Brambilla, E.M., Uieda, V.S. & Nogueira, M.G. (2019) Does seasonality and pool connectivity influence fish trophic ecology in knickzone habitats? *Studies on Neotropical Fauna and Environment*, 54, 22–30. <https://doi.org/0.1080/01650521.2018.1518118>

Brandão-Gonçalves, L., de Oliveira, S.A. & Lima-Junior, S.E. (2010) Hábitos alimentares da ictiofauna do córrego franco, Mato Grosso do Sul, Brasil. *Biota Neotropica*, 10, 22–30.  <https://doi.org/10.1590/S1676-06032010000200001>.

Cardoso, A.C. & Couceiro, S.R.M. (2017) Insects in the diet of fish from Amazônian streams, in western Pará, Brazil. *Marine and Freshwater Research*, 68, 2052–2060. https://doi.org/10.1071/MF16173

Carmo, Carolina Mancini. Ecomorfologia e alimentação de peixes na bacia do rio das mortes/mt e introdução à fisiologia de peixes para o ensino fundamental e médio. 2013. Tese de PhD, Universidade do Estado de Mato Grosso.

#### *Casatti, L. (2002) Alimentação dos peixes em um riacho do Parque Estadual Morro do Diabo, bacia do Alto Rio Paraná, sudeste do Brasil.* Biota Neotropica*, 2, 1–14.* [*https://doi.org/10.1590/S1676-06032002000200012*](https://doi.org/10.1590/S1676-06032002000200012)

#### *Corrêa, C.E., Albrecht, M.P. & Hahn, N.S. (2011) Patterns of niche breadth and feeding overlap of the fish fauna in the seasonal Brazilian Pantanal, Cuiabá River basin.* Neotropical Ichthyology, *9, 637–646.* [*https://doi.org/10.1590/S1679-62252011000300017*](https://doi.org/10.1590/S1679-62252011000300017)

#### *Dary, E.P., Ferreira, E., Zuanon, J. & Röpke, C.P. (2017) Diet and trophic structure of the fish assemblage in the mid-course of the Teles Pires river, Tapajós river basin, Brazil.* Neotropical Ichthyology, *15, 1–14.* [*https://doi.org/10.1590/1982-0224-20160173*](https://doi.org/10.1590/1982-0224-20160173)

#### *Delariva, R.L., Hahn, N.S. & Kashiwaqui, E.A.L. (2013) Diet and trophic structure of the fish fauna in a subtropical ecosystem: Impoundment effects.* Neotropical Ichthyology, *11, 891–904.* [*https://doi.org/10.1590/S1679-62252013000400017*](https://doi.org/10.1590/S1679-62252013000400017)

Duarte, C., Magurran, A.E., Zuanon, J. & Deus, C.P. (2019) Trophic ecology of benthic fish assemblages in a lowland river in the Brazilian Amazon. *Aquatic Ecology*, 53, 707–718. <https://doi.org/10.1007/s10452-019-09720-5>

Esteves, K.E., Lobo, A.V.P. & Faria, M.D.R. (2008) Trophic structure of a fish community along environmental gradients of a subtropical river (Paraitinga River, Upper Tietê River Basin, Brazil). *Hydrobiologia*, 598, 373–387. https://doi.org/10.1007/s10750-007-9172-4

Esteves, K.E. & Lobon-Cervia, J. (2001) Composition and trophic structure of a fish community of a clear water Atlantic rainforest stream in southeastern Brazil. *Environmental Biology of Fishes*, 62, 429–440. <https://doi.org/10.1023/A:1012249313341>

Fuentes, C. A. F. (2011). Estrutura ecomorfológica e trófica de peixes de riachos: comparação entre ambientes com diferentes graus de conservação e entre bacias hidrográficas. Master's thesis, Universidade Estadual Paulista “Júlio de Mesquita Filho”.

Gandini, C. V, Boratto, I.A., Fagundes, D.C. & Pompeu, P.S. (2012) Estudo da alimentação dos peixes no rio Grande à jusante da usina hidrelétrica de Itutinga , Minas Gerais , Brasil. **102**, 56–61.

Garcia, T. D. Ecomorfologia e dieta como ferramentas ecológicas para análises da influência das condições ambientais nas assembleias de peixes de riachos neotropicais. Master's thesis, Universidade Estadual de Maringá.

Gonçalves, S., Manoel, F., Braga, D.S. & Casatti, L. (2018) Trophic structure of coastal freshwater stream fishes from an Atlantic rainforest: evidence of the importance of protected and forest-covered areas to fish diet. 933–948.

Leite, G.F.M., Silva, F.T.C., Gonçalves, J.F.J. & Salles, P. (2015) Effects of conservation status of the riparian vegetation on fish assemblage structure in neotropical headwater streams. *Hydrobiologia*, **762**, 223–238.

Lopes, E.N., Abelha, M.C.F., Batista-Silva, V.F., Kashiwaqui, E.A.L. & Bailly, D. (2016) Estrutura trófica de peixes em riacho de primeira ordem da bacia do rio iguatemi, alto rio Paraná, Brasil. *Acta Scientiarum - Biological Sciences*, **38**, 429–437.

Luiz, E.A., Agostinho, A.A., Gomes, L.C. & Hahn, N.S. (1998) Ecologia trófica de peixes em dois riachos da bacia do rio paraná. *Rev. Brasil. Biol*, **58**, 273–285.

Machado, D. F. Aspectos da conservação sobre a reprodução de peixes de riachos na Reserva Biológica de Sooretama (Sooretama-ES). Master's thesis, Universidade Federal do Espírito Santo.

Mazzoni, R., Moraes, M., Rezende, C.F. & Miranda, J.C. (2010) Alimentação e padrões ecomorfológicos das espécies de peixes de riacho do alto rio Tocantins, Goiás, Brasil. *Iheringia. Série Zoologia*, **100**, 162–168.

Melo, C.E. de, Machado, F. de A. & Pinto-Silva, V. (2004) Feeding habits of fish from a stream in the savanna of Central Brazil, Araguaia Basin. *Neotropical Ichthyology*, **2**, 37–44.

Mello, K. S. A. (2019). Ictiofauna de um trecho do rio das almas/go com enfoque nos hábitos alimentares e etnoictiologia. Completion of course work, Instituto Federal Goiano.

Mérona, B., Mendes Dos Santos, G. & Goncçalves De Almeida, R. (2001) Short term effects of Tucuruí Dam (Amazônia, Brazil) on the trophic organization of fish communities. *Environmental Biology of Fishes*, **60**, 375–392.

Mérona, B. & Rankin-de-Mérona, J. (2004) of the central Amazon floodplain. *Neotrop. Ichthyol.*, **2**, 75–84.

Mise, F. T. (2012). *Peixes de riachos neotropicais: padrões ecomorfológicos, convergência evolutiva e uso de recursos alimentares* Master's thesis, Universidade Estadual de Maringá.

Neves, M.P., Delariva, R.L. & Wolff, L.L. (2015) Diet and ecomorphological relationships of an endemic, species-poor fish assemblage in a stream in the Iguaçu National Park. *Neotropical Ichthyology*, **13**, 245–254.

Oliveira, D.C. De & Bennemann, S.T. (2005) Ictiofauna, recursos alimentares e relações com as interferências antrópicas em um riacho urbano no sul do Brasil. *Biota Neotropica*, **5**, 95–107.

Pereira, P.R., Agostinho, C.S., De Oliveira, R.J. & Marques, E.E. (2007) Trophic guilds of fishes in sandbank habitats of a Neotropical river. *Neotropical Ichthyology*, **5**, 399–404.

Pereira, P. R. (2010). Estrutura trófica de assembléia de peixes em praias do trecho médio dos rios Araguaia e Tocantins, estado do Tocantins, Brasil. Completion of course work, Universidade Estadual de Goiás.

Romero, R. D. M. (2011). Ecologia de riachos em áreas de Cerrado: composição, estrutura e conservação. Tese de PhD, Universidade Estadual Paulista “Júlio de Mesquita Filho”.

Rocha, F., Casatti, L. & Pereira, D. (2009) Structure and feeding of a stream fish assemblage in southeastern Brazil: evidence of low seasonal influences. *Acta Limnologica Brasiliensia*, **21**, 123–134.

Rolla, A.P.P.R., Esteves, K.E. & Ávila-da-Silva, A.O. (2009) Feeding ecology of a stream fish assemblage in an Atlantic Forest remnant (Serra do Japi, SP, Brazil). *Neotropical Ichthyology*, **7**, 65–76.

Rondineli, G. R. (2007). Biologia alimentar e reprodutiva na comunidade de peixes do rio Passa Cinco (SP).

Sales, M.P. Efeitos da variação sazonal na estrutura trófica de comunidades de peixes de riachos e predição da dieta pela morfologia. 2015. Completion of course work, Universidade Estadual de Goiás, 2015.

Schneider, M., de Aquino, P. de P.U., Silva, M.J.M. & Fonseca, C.P. (2011) Trophic structure of a fish community in bananal stream subbasin in Bras??lia National Park, cerrado biome (Brazilian Savanna), DF. *Neotropical Ichthyology*, **9**, 579–592.

Silva, J.C., Delariva, R.L. & Bonato, K.O. (2012) Food-resource partitioning among fish species from a first-order stream in northwestern Paraná, Brazil. *Neotropical Ichthyology*, **10**, 389–399.

Silva, J.C., Gubiani, É.A., Neves, M.P. & Delariva, R.L. (2017) Coexisting small fish species in lotic neotropical environments: evidence of trophic niche differentiation. *Aquatic Ecology*, **51**, 275–288.

Silva, M. R. D. (2013). Importância da origem dos recursos alimentares e estrutura trófica da ictiofauna de riachos rurais: uma abordagem longitudinal. Tese de PhD, Universidade Estadual de Maringá

Silva, Cylene Camara da. Dieta da comunidade de peixes na área de influência da UHE de Balbina-rio Uatumã, Amazonas, Brasil. 2006. Master's thesis, INPA/UFAM.

Wolff, L.L., Carniatto, N. & Hahn, N.S. (2013) Longitudinal use of feeding resources and distribution of fish trophic guilds in a coastal Atlantic stream, southern Brazil. *Neotropical Ichthyology*, **11**, 375–386.