Pharmaceuticals and personal care products (PPCPs) are ecological disrupting compounds (EcoDC)

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Supplementary material – search terms in Web of Science for figure 1B and C.

Figure 1b: Search terms referring to toxic endpoints were (TS= topic search): TS=(PPCPs or pharmaceuticals or "personal care products" or "pharmaceuticals and personal care products" or drug*) AND TS=(eco* or ecosystem or resistance) AND TS=(freshwater or aquat* or stream* or river*) AND TS=(toxic or ecotox* or LC50 or EC50 or lethal or Tox*). Search terms for ecosystem disruption were: TS (PPCPs or pharmaceuticals or "personal care products" or "pharmaceuticals and personal care products" or drug*) AND TS=(eco* or ecosystem or resistance) AND TS=(freshwater or aquat* or stream* or river*) AND TS=(behavior or behavioral or behavior or behavioral or "food web" or "food cycle" or "food chain" or "community structure" or "community composition" or "primary prod**" or "secondary prod**" or "ecosystem function") NOT TS=(toxic or ecotox* or LC50 or EC50 or lethal or Tox*) NOT TS=(sorption or fate).
Figure 1c: Search terms for ecosystem disruption were: TS = (PPCPs or pharmaceuticals or "personal care products" or "pharmaceuticals and personal care products" or drug*) AND TS=(eco* or ecosystem or resistance) AND TS=(freshwater or aquat* or stream* or river*) AND TS=(behavior or behavioral or behavior or behavioral) NOT TS=(toxic or ecotox* or LC50 or EC50 or lethal or Tox*) NOT TS=(sorption or fate). These same criteria were used for five other areas of research, substituting behavior for the following search terms: “food web”, “community structure” or “community composition”, “primary prod*” and “secondary prod*” and “ecosystem function”. In B and C, numbers above bars indicate sample size and results were limited to scientific articles with time span set to all years, searching WOS indexes = sci-expanded. Note that some overlap of studies was found, for example studies measuring effects on primary production also detected effects on ecosystem function; thus numbers do not equate to 112.