

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

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

11 **Figure 1b:** Search terms referring to toxic endpoints were (TS= topic search): TS=(PPCPs or  
12 pharmaceuticals or "personal care products" or "pharmaceuticals and personal care products" or drug\*)  
13 AND TS=(eco\* or ecosystem or resistance) AND TS=(freshwater or aquat\* or stream\* or river\*) AND  
14 TS=(toxic or ecotox\* or LC50 or EC50 or lethal or Tox\*). Search terms for ecosystem disruption were: TS  
15 (PPCPs or pharmaceuticals or "personal care products" or "pharmaceuticals and personal care products"  
16 or drug\*) AND TS=(eco\* or ecosystem or resistance) AND TS=(freshwater or aquat\* or stream\* or river\*)  
17 AND TS=(behavior or behavioral or behavior or behavioral or "food web" or "food cycle" or "food chain"  
18 or "community structure" or "community composition" or "primary prod\*" or "secondary prod\*" or  
19 "ecosystem function") NOT TS=(toxic or ecotox\* or LC50 or EC50 or lethal or Tox\*) NOT TS=(sorption or  
20 fate).

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

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