

**Supplementary Table S1.** Full database-specific search strategies.

Four databases were searched from 1 January 2020 to 1 March 2026, with no restriction other than language (English). The strategy combined fibromyalgia terms with microbiota/microbiota-gut-brain axis terms using the Boolean operators shown below. Controlled vocabulary (MeSH/Emtree) was combined with free-text title/abstract terms and adapted to each database's syntax.

Database	Search strategy
<b>PubMed / MEDLINE</b>	#1 "Fibromyalgia"[Mesh] OR fibromyalgia[tiab] OR "fibromyalgia syndrome"[tiab] OR fibromyalgic[tiab] #2 "Gastrointestinal Microbiome"[Mesh] OR "Microbiota"[Mesh] OR "Dysbiosis"[Mesh] OR "Brain-Gut Axis"[Mesh] OR microbiota[tiab] OR microbiome[tiab] OR "gut microbiota"[tiab] OR "gut microbiome"[tiab] OR "intestinal microbiota"[tiab] OR dysbiosis[tiab] OR "gut-brain axis"[tiab] OR "microbiota-gut-brain axis"[tiab] OR "brain-gut axis"[tiab] OR "short-chain fatty acid*" [tiab] OR "intestinal permeability"[tiab] #3 #1 AND #2 Filters: 2020/01/01:2026/03/01[dp]; English[lang]
<b>EMBASE</b>	#1 'fibromyalgia'/exp OR fibromyalgia:ti,ab OR 'fibromyalgia syndrome':ti,ab #2 'intestine flora'/exp OR 'microbiome'/exp OR 'dysbiosis'/exp OR 'gut brain axis'/exp OR microbiota:ti,ab OR microbiome:ti,ab OR 'gut microbiota':ti,ab OR 'gut microbiome':ti,ab OR dysbiosis:ti,ab OR 'gut brain axis':ti,ab OR 'brain gut axis':ti,ab OR 'short chain fatty acid*':ti,ab OR 'intestinal permeability':ti,ab #3 #1 AND #2 Limits: AND [2020-2026]/py AND [english]/lim
<b>Web of Science</b>	#1 TS=(fibromyalgia OR "fibromyalgia syndrome") #2 TS=(microbiota OR microbiome OR "gut microbiota" OR "gut microbiome" OR "intestinal microbiota" OR dysbiosis OR "gut-brain axis" OR "microbiota-gut-brain axis" OR "brain-gut axis" OR "short-chain fatty acid*" OR "intestinal permeability") #3 #1 AND #2 Refined by: Publication Years 2020-2026; Languages: English
<b>Scopus</b>	TITLE-ABS-KEY (fibromyalgia OR "fibromyalgia syndrome") AND TITLE-ABS-KEY (microbiota OR microbiome OR "gut microbiota" OR "gut microbiome" OR "intestinal microbiota" OR dysbiosis OR "gut-brain axis" OR "microbiota-gut-brain axis" OR "brain-gut axis" OR "short-chain fatty acid*" OR "intestinal permeability") AND PUBYEAR > 2019 AND PUBYEAR < 2027 AND (LIMIT-TO (LANGUAGE, "English"))