

## Supplementary Material

**Table S1.** Search criteria *matricaria*

SEARCH CRITERIA	DATABASE	# RESULTS	#INCOMPLET	# NO RELEVANTS	#DUPLICATE	AVAILABLE ARTICLES
TITLE-ABS-KEY ( ( "Essential oils" OR "Essential oil" ) AND hydrodistillation AND matricaria ) AND PUBYEAR > 2012 AND PUBYEAR < 2024	SCOPUS	25	1	8	0	16
("essential oils" OR "essential oil") AND hydrodistillation AND matricaria	PUBMED	7	0	0	6	1
("essential oils" OR "essential oil") AND hydrodistillation AND matricaria	WOS	18	1	6	10	1
("essential oils" OR "essential oil") AND hydrodistillation AND matricaria NOT (thesis OR tesis)	Google Académico	157	50	82	18	7

**Table S2.** Search criteria *Origanum vulgare*

SEARCH CRITERIA	DATABASE	# RESULTS	#INCOMPLET	# NO RELEVANTS	#DUPLICATE	AVAILABLE ARTICLES
TITLE-ABS-KEY ( ( "Essential oils" OR "Essential oil" ) AND hydrodistillation AND "Origanum vulgare") AND PUBYEAR > 2012 AND PUBYEAR < 2024	SCOPUS	64	12	18	0	34
("essential oils" OR "essential oil") AND hydrodistillation AND " <i>Origanum vulgare</i> "	PUBMED	29	3	3	16	7
("essential oils" OR "essential oil") AND hydrodistillation AND origanum	WOS	40	3	9	28	0
("essential oils" OR "essential oil") AND hydrodistillation AND origanum NOT (thesis OR tesis)	Google Académico	312	93	167	41	11

**Table S3.** Search criteria *Rosmarinus officinalis*

SEARCH CRITERIA	DATABASE	# RESULTS	#INCOMPLET	# NO RELEVANTS	#DUPLICATE	AVAILABLE ARTICLES
TITLE-ABS-KEY ( ( "Essential oils" OR "Essential oil" ) AND distillation AND "Rosmarinus officinalis" ) AND PUBYEAR > 2012 AND PUBYEAR < 2024 AND ( LIMIT-TO ( DOCTYPE , "ar" ) )	SCOPUS	88	15	53	0	20
("essential oils" OR "essential oil") AND hydrodistillation AND "Rosmarinus officinalis"	PUBMED	23	6	6	11	0
("essential oils" OR "essential oil") AND hydrodistillation AND "Rosmarinus officinalis" AND clevenger	WOS	9	2	2	5	0
("essential oils" OR "essential oil") AND hydrodistillation AND "Rosmarinus officinalis" AND clevenger NOT (thesis OR tesis)	Google Académico	45	14	13	16	2

**Table S4.** Search criteria *Eucalyptus*

SEARCH CRITERIA	DATABASE	# RESULTS	#INCOMPLET	# NO RELEVANTS	#DUPLICATE	AVAILABLE ARTICLES
TITLE-ABS-KEY ( ( "Essential oils" OR "Essential oil" ) AND hydrodistillation AND "Eucalyptus") AND PUBYEAR > 2012 AND PUBYEAR < 2024	SCOPUS	126	0	120	0	6
("essential oils" OR "essential oil") AND hydrodistillation AND "Eucalyptus"	PUBMED	31	0	22	6	3
("essential oils" OR "essential oil") AND hydrodistillation AND Eucalyptus	WOS	56	0	38	7	11
("essential oils" OR "essential oil") AND hydrodistillation AND Eucalyptus NOT (thesis OR tesis)	Google Académico	385	3	352	16	14



**Figure S1.** Global distribution of plant material used in primary studies of *M. chamomilla*, *R. officinalis*, *O. vulgare* and *Eucalyptus* spp. essential oils. (Created with BioRender.com).