



Article

Using Medicinal Plants in Valmalenco (Italian Alps): from Tradition to Scientific Approaches

Martina Bottoni 1,2, Fabrizia Milani 1,2, Lorenzo Colombo 1,2, Kevin Nallio 1,2, Paola Sira Colombo 1,2, Claudia Giuliani 1,2, Piero Bruschi 3 and Gelsomina Fico 1,2,*

- Department of Pharmaceutical Science, University of Milan, Milan 20133, Italy; martina.bottoni@unimi.it (M.B.); fabrizia.milani@unimi.it (F.M.); lorecolo.93@gmail.com (L.C.); kevin.nallio@studenti.unimi.it (K.N.); pasico19@virgilio.it (P.S.C.); claudia.giuliani@unimi.it (C.G.)
- ² Botanical Garden G.E. Ghirardi, Department of Pharmaceutical Science, University of Milan, Toscolano Maderno, Brescia 25088, Italy
- 3 Department of Agricultural, Environmental, Food and Forestry Science and Technology, University of Florence, Florence 50144 code, Italy; piero.bruschi@unifi.it
- * Correspondence: gelsomina.fico@unimi.it

Received: 7 August 2020; Accepted: 4 September 2020; Published: date

Abstract: This ethnobotanical survey was carried out in Caspoggio (Valmalenco, SO, Italy) with the purpose of investigating the traditional uses of medicinal plants. Moreover, a bibliographic research meant to validate or refute the uses, focusing on the potentially responsible compounds, was performed. Fifty-nine species, attributable to 30 families (Asteraceae, Pinaceae, Malvaceae, and Lamiaceae the most cited), were mentioned. *Arnica montana*, anti-inflammatory for traumas and musculoskeletal pains; *Pinus mugo*, expectorant; *Malva sylvestris*, anti-inflammatory and soothing; *Achillea moschata*, digestive. The compounds, responsible for the therapeutic activities, are often polyphenols and terpenoids: helenanin in *A. montana*, α -pinene, δ -3-carene, and limonene in *P. mugo*, gossypin and malvin in *M. sylvestris*, luteolin and apigenin in *A. moschata*. Scientific evidence for at least one of the traditional activities described was found for 50 species but only in 26 out of 196 works consulted, it is possible to make a comparison between investigated extracts and traditional preparations. This study is thus a stimulus to new phytochemical investigations, mimicking as much as possible the traditional preparations. This work is part of the European Interreg Italy-Switzerland B-ICE project, aimed at creating a management model for the ongoing climate change and searching for new sources of territory valorization as attractions for tourists.

Keywords: Valmalenco; ethnobotany; traditional uses; medicinal plants; climate change

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Table S1. Bibliographic research on plants used for human and animal healthcare. For the complete Reference list, please see the main text.

	Tradi	tional us	ses in Valm	alenco	_	Bibliograph		
Latin name Vernacular name	Part of the plant and preparation	Field of use	Category of use	Detailed use	Bibliographic reference: Ethnobotany	ic reference: Biological activity	Bibliographic reference: Active compounds	
				Adoxaceae				
Sambucus nigra L. Sambuco nero Sembüc	Fruits/infructescen ces/accessory fruits (eaten raw)	Med	Digestive tract disorders	Laxative, intestinal motility	[3,15,153]	[153]	- Anthocyanins (Cyanidin-	
	Flowers/infloresce nces/flowering tops (infusion)	Med	Gynecolog ical disorders, obstetric Galactagogue and puerperal problems				3-sambubioside, Chrysanthemin, Cyanidin- 3,5-diglucoside); Proanthocyanidins (epicatechin); Flavonoids (Rutin, isoquercetin);	
	Flowers/infloresce nces/flowering tops (infusion in water or milk, syrup) Fruits/infructescen ces/accessory fruits (eaten raw)	Med	Respirator y tract infections	Bronchitis Asthmatic bronchitis Expectorant, decongestant, emollient Sorethroat and hoarseness Cough	[3,13,14,15,1 9,155,204,205 ,206]	[154,155,15 6]	 Peptic polysaccharides; Lectins (SNA-IV, SNA-V) of berries extracts: immunostimulant, antiviral (against flu), and antimicrobic activities [155] 	
	•			Apiaceae				
Foeniculum vulgare Mill. Finocchio selvatico, aneto	Epigeal part (Whole) (infusion)	Med	Digestive tract disorders	Gastric antispasmodic Digestive Carminative Stomachache	WHO Monograph - Fructus Foeniculi [29] [69,206,207]	WHO Monograph - Fructus Foeniculi [29] [31,69,70]	E.O.: antispasmodic, carminative, anticolitic [69,70]	
		· · · · · · · · · · · · · · · · · · ·		Asteraceae				
Achillea millefolium L. Achillea millefoglio, danedun	Epigeal part (Whole) (compresses with infusion)	Med	Skin diseases and traumas	Anti-inflammatory, disinfectant and wound healing, Emollient, soothing	OMS Monograph - Herba Millefolii [23]	[25] (Anti- inflammatory , antibacterial)	Sesquiterpene santamarin: anti- inflammatory (OMS	

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				[3,13,15,18,2 5]	[24] (Antibacteria I)	Monograph - Herba Millefolii [23])
Flowers/infloresce nces/flowering tops (infusion)	Med	Circulator y system disorders	Blood depurative	[3,25]	,	Dicaffeoylquinic acids, flavonoids, proazulenic sesquiterpene lactone (matricin): anti-
Flowers/infloresce nces/flowering tops (infusion) Leaves (infusion)	Med	Digestive tract disorders	Digestive Abdominal pain Stomachache Astringent, antidiarrheal	[3,13,15,19,2 4,25]	WHO Monograph - Herba Millefolii [23] [19,24,25]	inflammatory activity; E.O. antibacterial activity; flavonoids (apigenina, luteolin): estrogenic activity [25]
Epigeal part (Whole) (compress or bath with infusion) Leaves (compress or bath with infusion)	Med	Musculosk eletal system disorders and traumas	Contusions Sprains and dislocations Articolar pain and Inflammations		WHO Monograph - Herba Millefolii (Anti- inflammatory) [23] [25](Anti- inflammatory) [24]	E.O. (terpinolene, 1,8-cineol, thujone, γ-terpinene, borneol, camphor), rutin: antibacterial, antioxidant, and antinociceptive; apigenin 7-O-glucoside, luteolin 7-O-glucoside: anti-inflammatory; quercetin, apigenin, and
Flowers/infloresce nces/flowering tops (infusion) Epigeal part (Whole) (wash or bath with infusion)	Med	Gynecolog ical disorders, obstetric and puerperal problems	Anti-inflammatory and soothing Rash Menstrual pains Menopausal disorders	[3,13]	WHO Monograph - Herba Millefolii (Anti- inflammatory) [23] [24,25]	luteolin antispasmodic; luteolin-7-O-beta-D- glucuronide: coleretic; dihydrodehydrodiconiferyl alcohol, and 9-O-beta-D- glucopyranoside: estrogenic [24]
Flowers/infloresce nces/flowering tops (fumigation)	Med	Respirator y tract infections	Expectorant, decongestant, emollient	[15,24,25]	WHO Monograph - Herba Millefolii [23]	
Flowers/infloresce nces/flowering	Med	General condition	Infections Relaxant footbath		[24,25]	

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	tops (infusion, footbath) Flowers/infloresce nces/flowering tops (wash with infusion)	Vet	Cattle	Disinfectant for cattle legs wounds Intestinal disorders	[15]	WHO Monograph - Herba Millefolii [23] WHO	·
	Flowers/infloresce nces/flowering tops (infusion)	Vet	Cattle Dogs	Intestinal disorders		Monograph - Herba Millefolii [23]	
	Epigeal part (Whole) (compresses with infusion)	Med	Skin diseases and traumas	Anti-inflammatory, disinfectant and wound healing	[3,26]	Antimicrobial [26]	
	Flowers/infloresce nces/flowering tops (infusion)	Med	Circulator y system disorders	Hypotensive	[13,26]		Phenolic and caffeic compounds (7-0-glucosyl
Achillea moschata Wulfen Erba iva, daneda	Flowers/infloresce nces/flowering tops (infusion) Epigeal part (Whole) (infusion)	Med	Digestive tract disorders	Gastric antispasmodic Digestive Carminative Abdominal pain Stomachache	[3,13,14,15,2 2,26,208,209]		luteolin, 7-O-β-glucosyl apigenin, 3-O-β-glucosyl-kaempferol, Luteolin, Apigenin, 3-O-β-Rutinosyl-isorhamnetin, 3-O-β-Glucosyl-isorhamnetin 5-O-caffeoylquinic acid, 4,5-dicaffeoylquinic acid): antioxidant activity; E.O. (camphor, 1-8-cineole, bornylacetate): antibacterial [26]
	Epigeal part (Whole) (footbath/bath with infusion)	Med	Musculosk eletal system disorders and traumas	Inflammations and pain	[13]		
	Flowers/infloresce nces/flowering tops (infusion)	Med	Gynecolog ical disorders, obstetric and puerperal problems	Menstrual pains	[13,15,26]		

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	Epigeal part (Whole) (infusion)	Med	Nervous system disorders	Sedative hypnotic, promotes sleep	[3,15,26]		
	Epigeal part (Whole) (infusion)	Med	Respirator y tract infections	Cough	[3,15,26]		-
	Flowers/infloresce nces/flowering tops (infusion)	Med	General condition	Anti-inflammatory	[3,15,22,26]		
	Flowers/infloresce nces/flowering tops (infusion)	Vet	Cattle	Intestinal problems, bloating	[2,3,13,15,26]		
	Underground organs (roots/bulbs/tuber s/rhizomes) (decoction)	Med	Urinary tract disorders	Remineralizing Urinary tract depurative			Helenanin (sesquiterpene lactone): analgesic and anti-inflammatory (WHO Monograph - Flos
<i>Arnica montana</i> L. subsp. <i>montana</i> Arnica	Flowers/infloresce nces/flowering tops (exudate/EtOH extract application) Leaves (boiled and applied)	Med	Skin diseases and traumas	Anti-inflammatory, disinfectant and wound healing	[2,13,14,15,2 2,30]	WHO Monograph - Flos Arnicae [29] [30,36]	Arnicae [29] [30,33,34] Helenanin (sesquiterpene lactone): atimicrobial [31] MeOH extract per os (quinic acids, inositol esters, rutin, gallic acid): antinflammatory [32]
	Flowers/infloresce nces/flowering tops (exudate/exudate in ointment or compresses with infusion)	Med	Musculosk eletal system disorders and traumas	Contusions Articolar pain and inflammations Rheumatic pain Muscle inflammations and pain	WHO Monograph - Flos Arnicae [29] [2,3,13,14,15, 30]	WHO Monograph - Flos Arnicae [29] [30,31,32,36]	Helenanin and dihydro- helenanin: anti- inflammatory [30,31,36] Flavonoids and phenols:
	Flowers/infloresce nces/flowering tops	Med	Digestive tract disorders	Stomachache Stomach depurative	WHO Monograph -		antioxidant [30]

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	(infusion)				Flos Arnicae [29]		
	Flowers/infloresce nces/flowering tops (exudate application)	Med	General condition	Anti-inflammatory Analgesic Infections	[15,30]	WHO Monograph - Flos Arnicae [29] [30,31,33,34 ,35,36]	
	Flowers/infloresce nces/flowering tops (infusion)	Med	Digestive tract disorders	Digestive	[2,3,13,14,15, 22,205]	[31,37,38] (Opposite effect - [40])	Bitter taste due to sesquiterpenes lactones
<i>Artemisia</i> <i>absinthium</i> L. Assenzio	Flowers/infloresce nces/flowering tops (infusion)	Med	Nervous system disorders	Cephalea due to digestive disorders	[14]		(absinthin, anabsinthin, arthabsin, anabsin): digestive [31,37,39]
	Epigeal part (Whole) (eaten raw)	Vet	Cattle	Promotes digestion	[13,14,15]	[31,37]	[31,37,39]
	Epigeal part (Whole) (infusion)	Med	Digestive tract disorders	Digestive	[2,3,13,15,18]	[39,41]	
<i>Artemisia genipi</i> Weber Genepì	Epigeal part (Whole) (infusion)	Med	Gynecolog ical disorders, obstetric and puerperal problems	Menstrual pains			Some of the sesquiterpenes lactones (such as santamarine) of génépi may activate hTAS2R46 bitter taste receptors [39,41]
	Epigeal part (Whole) (infusion)	Med	Respirator y tract infections	Colds	[15,18]	[39,41]	
<i>Calendula</i> <i>officinalis</i> L. Calendula	Flowers/infloresce nces/flowering tops (compresses with infusion, ointment)	Med	Skin diseases and traumas	Anti-inflammatory, disinfectant and wound healing Sunburns, burns, frostbites, redness and rash	WHO Monograph - Flos Calendulae [43] [3,13,14,15,4 4,47,206]	WHO Monograph - Flos Calendulae [43] [31,44,45,46 ,47]	Flavonoids (quercitin): antioxidant [45] Triterpenoid esters (faradiol-3-0-laurate, faradiol-3-0-palmitate e

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				Emollient, soothing Insect bites			faradiol-3-O-myristate): anti-inflammatory.
	Epigeal part (Whole) (compresses with infusion)	Med	Circulator y system disorders	Promotes circulation	WHO Monograph - Flos Calendulae [43] [2,15]	WHO Monograph - Flos Calendulae [43]	Quercitin: partially inhibits collagen degradation and MMP2 activity. Quercetin-3-O-glucoside and rutin stimulate primary fibroblasts.
	Flowers/infloresce nces/flowering tops (infusion)	Med	Urinary tract disorders	Cystitis and other inflammation of the urinary tract		• , •	[44] Carotenoids or their degradation compounds
	Flowers/infloresce nces/flowering tops (macerated oil, ointment)	Med	Musculosk eletal system disorders and traumas	Contusions Articolar pain and inflammations	WHO Monograph - Flos Calendulae [43] [13,15]	[210]	may promote wound healing more than triterpenes [47] Terpenoids and flavonoids: anti- inflammatory and antiedema [46]
	Flowers/infloresce nces/flowering tops	Vet	Alpacas	Animal skin allergic reactions			
	Flowers/infloresce nces/flowering tops (infusion)	Med	Urinary tract disorders	Depurative	[211,212]		Synergic activity of different non-polar compounds (i.e. palmitic, oleic, and linoleic acids): antiviral and anti-inflammatory [49] Flavonoids luteolin and
Carduus nutans L. Cardo svizzero	Flowers/infloresce nces/flowering tops (eaten raw)	Vet	Cattle	Galactagogue			
	Flowers/infloresce nces/flowering tops (eaten raw)	Vet	Cattle	Throat depurative		[49]	apigenin: anti- inflammatory and antioxidant [211,212]

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<i>Carlina acaulis</i> L. subsp. <i>intybus</i>	Flowers/infloresce nces/flowering tops (eaten raw)	Vet	Cattle	Galactagogue			
Carlina bianca, Pane degli alpini	Flowers/infloresce nces/flowering tops (eaten raw)	Vet	Cattle	Throat depurative			
Cichorium intybus L. Catalogna	Leaves (infusion)	Med	Urinary tract disorders	Depurative	[3,15,56,57,2 06,213,214]	[56,57]	
	Flowers/infloresce nces/flowering tops (compresses with infusion)	Med	Ophthalmi c ailments	Ocular anti- inflammatory	WHO Monograph - Flos Chamomillae [43] [3,14,15,22,2 06,215]	[31,67]	Apigenin: anti- inflammatory [31,108,109]; ansiolitic and antispasmodic [31,108] Bisabolol: antispasmodic
<i>Matricaria</i> <i>chamomilla</i> L. Camomilla	Flowers/infloresce nces/flowering tops (infusion)	Med	Digestive tract disorders	Abdominal pain Stomachache Gastric antispasmodic	[3,15,67,109, 111,205,206]	WHO Monograph – Flos Chamomillae [43] [31,108,109, 110]	Bisabolol, chamazulene: antibacterial and antifungal [31]; Anti- inflammatory (WHO Monograph – Flos Chamomillae [43]; [31]) Matricin: anti- inflammatory and spasmolytic (WHO
	Flowers/infloresce nces/flowering tops (infusion)	Med	Nervous system disorders	Sedative hypnotic, promotes sleep	[3,13,14,15,3 1,109,111,112 ,205,206]	WHO Monograph – Flos Chamomillae [43] [31,108,109, 111,112]	
	Flowers/infloresce nces/flowering tops (bath/washing with infusion)	Med	General condition	Emollient, soothing	[15]	WHO Monograph – Flos Chamomillae [43] [31]	Flavonoids (apigenina and luteolin): anti- inflammatory (WHO Monograph – Flos Chamomillae [43]; ansiolitic [111]

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							Apigenin-7-O-Glucoside found in aqueos extracts [216]
	Flowers/infloresce nces/flowering tops (compresses with infusion)	Vet	All	Ocular anti- inflammatory, conjunctivitis	[168]	[31,67]	
	Flowers/infloresce nces/flowering tops (infusion)	Med	Circulator y system disorders	Blood depurative		[157]	Silymarin and silybin: anti hepatotoxic (WHO
Silybum marianum (L.) Gaertn. Cardo mariano	Flowers/infloresce nces/flowering tops (infusion)	Med	Digestive tract disorders	Liver depurative	[22,157]	WHO Monograph – Fructus Silybi Mariae [23] [31,157,158]	Monograph - Fructus Silybi Mariae [23]; [31,157,158]); anti- inflammatory and antioxidant. (WHO Monograph - Fructus Silybi Mariae [23]; [31]) Silybin detected in inflorescences [217]
	Flowers/infloresce nces/flowering tops (syrup)	Med	Oropharyn geal cavity affections	Sorethroat		[163] (Anti- inflammatory) [162]	Bitter Sesquiterpene glucosides 14-0-beta-D- glucosyl-11,13-dihydro-
<i>Taraxacum</i> spp. Tarassaco Zicòria/dent de can	Flowers/infloresce nces/flowering tops (applied raw) Latex or sap (latex raw) Epigeal part (Whole) (compresses with infusion)	Med	Skin diseases and traumas	Acne, pimples, foruncles, skin abscesses Anti-inflammatory, disinfectant and wound healing Insect bites	[15,219]	[163] (Anti- inflammatory)	taraxinic acid and 14-0-beta-D-glucosyl-taraxinic acid (from MeOH extract): anti-inflammatory [166,218] Triterpene uvaol (from dried flowers): anti-inflammatory [168]

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Underground organs (roots/bulbs/tuber s/rhizomes) (eaten)	Med	Circulator y system disorders	Blood depurative	[2,19,165]		Sesquiterpene lactones and phenylpropanoids: anti-inflammatory. Terpenoids and bitter lactones: could be active
Flowers/infloresce nces/flowering tops (macerated in alcohol, eaten raw sometimes with leaves, infusion)	Med	Digestive tract disorders	Gastric antispasmodic Digestive Liver depurative	[13,14,15,22, 164,165,205,2 06,220]	[163,164,16 5]	on the liver [163]
(Whole) (syrup) Flowers/infloresce						
nces/flowering tops (infusion) Leaves (infusion or decoction) Epigeal part (Whole) (infusion)	Med	Urinary tract	Kidney stones Cystitis and other inflammation of the urinary tract	[2,13,19,163, 165,206,219]	[163,165,16 6,167]	
Underground organs (roots/bulbs/tuber s/rhizomes) (infusion or decoction)		disorders	Urinary tract depurative Diuretic	103,200,219]	0,107]	
Flowers/infloresce nces/flowering tops (syrup, infusion)	Med	Respirator y tract infections	Expectorant, decongestant, emollient Flu and flu syndromes Sorethroat and hoarseness Cough	[13,15,163,16 5]		

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	Flowers/infloresce nces/flowering tops (syrup)	Med	General condition	Anti-inflammatory	[3,15,163,165	[163,165,16 8]	
	Flowers/infloresce nces/flowering tops (applied raw)	Vet	Other animals	Anti-inflammatory for infected wounds	[219]	[163,168] (Anti- inflammatory)	
				Betulaceae			
	Leaves (infusion)	Med	Circulator y system disorders	Hypocholesterolemi c	[42]		Acid betulinic: anti- inflammatory and diuretic
Betula pendula Roth	Leaves (infusion)	Med	Urinary tract disorders	Urinary tract depurative Diuretic	[3,15,42,221]	[42]	Poliphenols (catechins, p-
Pendula	Leaves (infusion)						coumaric acid, myricetin,
	Latex or sap (drunk raw)	Med	General condition	Tonic and corroborant	[42]		quercetin, and kaempferol): antioxidant [221]
				Brassicaceae			
<i>Brassica oleracea</i> L. Verza	Leaves (applied as a poultice)	Med	Musculosk eletal system disorders and traumas	Arthrosis Contusions Sprains and dislocations Rheumatic pain Inflammations and pain Articolar pain and inflammations	[3,205,206]		
	Leaves (applied as a poultice)	Med	Respirator y tract infections	Improves breathing			
-				Caprifoliaceae			
<i>Valeriana</i> <i>officinalis</i> L. Valeriana	Epigeal part (Whole) (infusion)	Med	Nervous system disorders	Sedative hypnotic, promotes sleep	[15,195,206]	[189,190,19 1,192,193,1 94,195] ([196] no statistically significant	Valepotriates, valerenic acid and derivatives, E.O.: sedative [222] Valerenic acid and E.O. [194]

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						difference to placebo)	Sesquiterpenes, valerenic acid [168,195]
				Cupressaceae			
Juniperus	Fruits/infructescen ces/accessory fruits (infusion) Epigeal part (Whole) (infusion)	Med	Digestive tract disorders	Digestive	[2,3,14,15,18, 19,77,78,223, 224]	[77,78,79]	E.O.: digestive [79]
communis L. Ginepro Pedüli de càvar	Fruits/infructescen ces/accessory fruits (infusion)	Med	Nervous system disorders	Sedative hypnotic, promotes sleep	[225]		E.O. (a-pinene 20-50%, sabinene <20%, β-pinene 1-12%, β-myrcene 1- 30%) [77,78]
	Fruits/infructescen ces/accessory fruits (infusion, salve/ointment)	Med	Respirator y tract infections	Colds Expectorant, decongestant, emollient	[3,13,14,15,7 8,224]		
				Equisetaceae			
	Herbaceous stems/scapes (infusion)	Med	Urinary tract disorders	Diuretic Depurative Kidney stones Remineralizing	[2,3,13,14,15, 62]	[60,61,62]	High concentrations of flavonoids, phenolic compound, and mineral salts: mild diuretic action;
Equisetum arvense L. Erba cavallina, equiseto, coda cavallina	Herbaceous stems/scapes (applied as a poultice)	Med	Musculosk eletal system disorders and traumas	Contusions	[3]	[60,61,63,64 ,65,66]	silicon salts: may indicate remineralisation properties [62] Kynurenic acid: anti-
	Herbaceous stems/scapes (infusion)	Med	Gynecolog ical disorders, obstetric and puerperal problems	Menstrual pains			inflammatory and analgesic [64,66] B-sitosterol, campesterol, isofucosterol: anti-inflammatory steroidal effects

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	Herbaceous stems/scapes (infusion)	Med	General condition	Analgesic		[61,63,64,65 ,66]	[65]
				Ericaceae			
	Fruits/infructescen ces/accessory fruits (eaten raw)	Med	Ophthalmi c ailments	Promotes eyesight and eyes health	WHO Monograph - Fructus Myrtilli [146] [3,13,14,15,1 87] (refuted by [185])	WHO Monograph - Fructus Myrtilli [146] [177,178,17 9,180,181,1 82,183,184]	Phenolic compounds (in particular anthocyanins): improve ocular microcirculation (WHO Monograph - Fructus Myrtilli) [146],
<i>Vaccinium</i> <i>myrtillus</i> L. Mirtillo nero	Fruits/infructescen ces/accessory fruits (eaten raw)	Med	Circulator y system disorders	Promotes circulation	WHO Monograph Fructus Myrtilli [146] [3,13,15,187]	WHO Monograph - Fructus Myrtilli [146] [178,183,18 6]	(nonspecific) [187]
	Fruits/infructescen ces/accessory fruits (eaten raw)	Med	Urinary tract disorders	Promotes urinary tract health	WHO Monograph - Fructus Myrtilli [146] [3,187,204]	[187]	
	Fruits/infructescen ces/accessory fruits (eaten raw)	Med	Ophthalmi c ailments	Promotes eyesight and eyes health		[180,181]	Compounds active on urinary tract: high molecular weight
<i>Vaccinium vitis- idaea</i> L. Mirtillo rosso Gaüdì	Fruits/infructescen ces/accessory fruits (eaten raw)	Med	Circulator y system disorders	Circulation, veins and blood vessels			proanthocyanidins (condensed tannins) [183]; phenolic compounds
	Fruits/infructescen ces/accessory fruits (eaten raw)	Med	Urinary tract disorders	Promotes urinary tract health	[3,13,187,204 ,226]	[183,187,18 8]	[226]; arbutin and derivatives, tannins [187]
				Gentianaceae			
<i>Gentiana lutea</i> L. subsp. <i>lutea</i> Riszanzana	Underground organs (roots/bulbs/tuber	Med	Circulator y system disorders	Blood depurative			Bitter monoterpenes (gentiopicroside, swertiamarin, sweroside e

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	s/rhizomes) (decoction)						amarogentin): digestive and eupeptic
	Underground organs (roots/bulbs/tuber s/rhizomes) (decoction, grappa)	Med	Digestive tract disorders	Digestive Stomach anti- inflammatory Liver anti- inflammatory Stomachache Vermifuge	WHO Monograph - Radix Gentianae Luinfusione [29] [2,14,15,22,2 27]	WHO Monograph - Radix Gentianae Luinfusione [29] [31,37,71]	WHO Monograph - Radix Gentianae Scabrae [29]) Gentiopicroside, amarogentin: gastroprotective [71,227]
	Underground organs (roots/bulbs/tuber s/rhizomes) (decoction)	Med	Urinary tract disorders	Urinary tract depurative	[15,227]		
	Underground organs (roots/bulbs/tuber s/rhizomes) (macerated oil)	Med	Musculosk eletal system disorders and traumas	Contusions Inflammations and pain			
	Flowers/infloresce nces/flowering tops (decoction)	Med	General condition	Immunomodulant Tonic and corroborant	WHO Monograph - Radix Gentianae Luinfusione [29] [15]		
	Underground organs (roots/bulbs/tuber s/rhizomes) (decoction)	Vet	Cattle	Carminative			
				Hypericaceae			
<i>Hypericum</i> <i>perforatum</i> L. Iperico	Flowers/infloresce nces/flowering tops (macerated oil)	Med	Skin diseases and traumas	Sunburns, burns, frostbites, redness and rash Anti-inflammatory, disinfectant and	WHO Monograph – Herba Hyperici [23] Guarrera 2005	WHO Monograph – Herba Hyperici [23] [31,72]	Hyperforin, hypericin, and pseudohypericin: antimicrobial; hyperforin and flavonoids: antioxidant and anti-

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				wound healing Psoriasis Insect bites	[2,3,13,14,15, 19,22,72,205, 206]		inflammatory [72,73] hyperforin and hypericin:
	Epigeal part (Whole) (macerated oil rubbed)	Med	Digestive tract disorders	Abdominal pain		antidepres (WHO Monograp	antidepressant (WHO Monograph - Herba Hyperici [23], [31])
	Epigeal part (Whole) (infusion)	Med	Urinary tract disorders	Urinary tract depurative	WHO Monograph – Herba Hyperici [23] [72]		
	Flowers/infloresce nces/flowering tops (macerated oil, compresses with infusion)	Med	Musculosk eletal system disorders and traumas	Contusions Sprains and dislocations Articolar pain and inflammations Muscle inflammations and pain	[2,3,13,14,15, 22,72]	[72,73]	
	Epigeal part (Whole) (macerated oil, infusion)	Med	Nervous system disorders	Lumbago and neuralgia Antidepressant Sedative hypnotic, promotes sleep	WHO Monograph – Herba Hyperici [23] [3,13,15,72]	WHO Monograph – Herba Hyperici [23] [31,73,74,75 ,76]	
	Epigeal part (Whole) (macerated oil)	Med	General condition	Lymphatic system anti-inflammatory			
				Iridaceae			
Crocus vernus (L.) Hill Croco, bucaneve	Epigeal part (Whole) (eaten raw)	Vet	Cats	Observed a thrill- like effect when ingested			
				Lamiaceae			
Lamium album L. Ortica bianca	Leaves (infusion)	Med	Urinary tract disorders	Diuretic	[13,80]	[80,81]	

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	Flowers/infloresce nces/flowering tops (macerated oil)	Med	Afflictions of the ear	Otitis	[3]		
<i>Lavandula</i> <i>angustifolia</i> Mill. Lavanda	Leaves (compresses with infusion)	Med	Skin diseases and traumas	Anti-inflammatory, disinfectant and wound healing	WHO Monograph – Flos and Aetheroleum Lavandulae [29] [15]	WHO Monograph - Aetheroleum Lavandulae [29] [82,84,85]	E.O.: anti-inflammatory (WHO Monograph - Flos Lavandulae [29]); wound healing ([228], [229]- Flowers,
	Flowers/infloresce nces/flowering tops (infusion)	Med	Nervous system disorders	Sedative hypnotic, promotes sleep	[3,15,206]	WHO Monograph - Flos Lavandulae [29] [31,86]	[82]- Leaves); sedative (WHO Monograph - Flos Lavandulae [29]; particularly linalool [31])
	Flowers/infloresce nces/flowering tops (salve/ointment)	Med	General condition	Anti-inflammatory		[83,84]	
<i>Melissa officinalis</i> L. Melissa	Flowers/infloresce nces/flowering tops (applied as a poultice)	Med	Gynecolog ical disorders, obstetric and puerperal problems	Menstrual pains	WHO Monograph - Folium Melissae [23] [230]	[113,114]	
<i>Mentha longifolia</i> (L.) Huds. Menta	Leaves (infusion)	Med	General condition	Tonic and corroborant			
<i>Mentha x piperita</i> L. Menta piperita	Leaves (gargles/washings with infusion)	Med	General condition	Anti-inflammatory	[115]	[115,116,11 7]	E.O. (menthol 30,69%, menthone 14,51%, and menthyl acetate 12,86%): anti- inflammatory [116]
Nepeta cataria L. Erba gatta	Epigeal part (Whole) (eaten raw)	Vet	Cats	Given to the kittens by the mother			

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	Epigeal part (Whole) (infusion)	Med	Digestive tract disorders	Promotes digestion	[2,15,121,206 ,231]		Carvacrol: anti- inflammatory [118,119]
<i>Origanum vulgare</i> L. Origano	Epigeal part (Whole) (compresses with infusion)	Med	Ophthalmi c ailments	Conjunctivitis		[118,119,12 0,121]	High carvacrol E.O.: anti- inflammatory; E.O.: antimicrobial against Pseudomonas aeruginosa, Staphylococcus aureus, and Escherichia coli (often found in ocular infections bacterial profiles [232]) [120]
Rosmarinus officinalis L. Rosmarino	Epigeal part (Whole) (infusion)	Med	Digestive tract disorders	Liver depurative	[141]	WHO Monograph Aetheroleum Rosmarini and Folium Rosmarini [146] [141,142,14 3,144,145]	E.O. (a-pinene 18-26%, camphene 8- 12%, β-pinene 2.0-6.0%, β-myrcene 1.5-5.0%, limonene 2.5-5.0%): (WHO Monograph Aetheroleum Rosmarini and Folium Rosmarini [146]) E.O. (1,8-cineole 43.77%, camphor 12.53%, and α- pinene 11.51%): antioxidant and hepatoprotective [142] In the aqueous extract with antioxidant and hepatoprotective properties catechin, coumarin, cinnamic acid, and rutin are detected [144]
Salvia officinalis L. Salvia	Leaves (applied raw)	Med	Oropharyn geal	Gingivitis	[2,3,14,15,15 0,207,231]	[149,150]	Flavonoidic fraction, rosmarinic acid, manool,

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			cavity affections				carnosol, and ursolic acid: anti-inflammatory
	Leaves (infusion)	Med	Digestive tract disorders	Depurative and abdominal bloating	[150,151,152]	[150]	[152] E.O. (1,8-cineol, thujone,
	Leaves (infusion)	Med	Urinary tract disorders	Depurative	[15]		and camphor), non- volatile compounds in MeOH extract:
	Leaves (compresses with infusion)	Med	Musculosk eletal system disorders and traumas	Anti-inflammatory for pains and sprains	[152,231]	[152]	antimicrobial and antifungal (i.e. for oral cavity affections) and anti-inflammatory ([150,231])
	Leaves (infusion)	Med	Respirator y tract infections	Colds	[3,15,150,207 ,231]		Ursolic acid and other diterpenes: anti-inflammatory [150]
	Leaves (washings with infusion)	Med	General condition	Anti-inflammatory	[150,231]	[150,151,15 2]	MeOH extract with high contents of rosmarinic, ursolic, caffeic, and oleanolic acids; borneol: anti-inflammatory
	Epigeal part (Whole) (infusion)	Med	Other	Depurative			Phenolic compounds,
Thymus can	Epigeal part (Whole) (infusion)	Med	Circulator y system disorders	Blood depurative	[199,204]	[144]	carvacrol, thymol, and others (high variability): antibacterial and
<i>Thymus</i> spp. Timo	Flowers/infloresce nces/flowering tops (infusion) Epigeal part (Whole) (infusion)	Med	Digestive tract disorders	Emollient, stomachache	[170,171,204, 207,199]		antioxidant [170,234,202] E.O. and thymol: antibacterial [171]

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	Epigeal part (Whole) (infusion)	Med	Urinary tract disorders	Diuretic	[15,18,170] ([199] traditionally used as anti- diuretic)		
	Epigeal part (Whole) (infusion)	Med	Nervous system disorders	Relaxant	[3,170,171]		
	Flowers/infloresce nces/flowering tops (infusion) Leaves (infusion) Epigeal part (Whole) (infusion)	Med	Respirator y tract infections	Balsamic Cough Colds and flu symptoms Expectorant, decongestant, emollient	[2,13,14,15,1 8,19,170,171, 199,204,206]	[169,170,17 1,172]	
	Epigeal part (Whole) (salve/ointment)	Med	General condition	Anti-inflammatory	[170]	([170] antioxidant) [171]	
				Lauraceae			
<i>Laurus nobilis</i> L.	Fruits/infructescen ces/accessory fruits (infusion) Leaves (infusion)	Med	Digestive tract disorders	Antiacid, gastritis, acid reflux Carminative Abdominal pain	[3,15,31,89,9 0,206,235,236]	[89,90,91]	1.8 cineol and terpinene: gastroprotective activity [89,90]
Alloro	Leaves (infusion)	Med	Gynecolog ical disorders, obstetric and puerperal problems	Menstrual pains	[92,93]	[92,93]	E.O.: anti-inflammatory and analgesic [92,93]
				Linaceae			
Linum usitatissimum L. Lino	Seeds (boiled or left in water overnight, then drunk)	Med	Digestive tract disorders	Laxative, intestinal motility	[2,3,13,15,96]	[94,95,96]	Oil and mucilages: laxative [95]

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	Epigeal part (Whole) (boiled and applied as a poultice)	Med	Respirator y tract infections	Expectorant, decongestant, emollient	[2,3,13,14,15, 18,206]	[97]	
				Malvaceae			
	Leaves (gargles with infusion)	Med	Oropharyn geal cavity affections	Oral cavity inflammation Toothache Gingivitis	[3,14,100,205 ,206,237,238]	[98,99,100,1 01]	
	Leaves (compresses with infusion)	Med	Skin diseases and traumas	Anti-inflammatory Emollient Regenerative	[2,3,15,22,10 0,205,206,207 ,237,238]	[100,101,10 2,103,104,1 05]	
	Leaves (compresses with leaves)	Med	Ophthalmi c ailments	Anti-inflammatory, Eye irritations	[3,100]	[100,101]	Anti-inflammatory activity: flavonoids and mucilages [100,238]; polysaccharide of mucilaginous complex [237]; polyphenols [98]; Malvidin-3-glucoside [105] Phenolic compounds: protect kidney function [106]
	Leaves (bath/washing with infusion)	Med	Early infancy ailments	Soothing, anti- inflammatory for diaper rash	[14,100,237]	[100,101]	
<i>Malva sylvestris</i> L. Malva	Leaves (infusion, washing with infusion)	Med	Other	Anti-inflammatory, refreshing, allergies, relaxant footbath	[3,100,237,23 8]	[100,101]	
	Leaves (infusion)	Med	Digestive tract disorders	Stomachache, Abdominal pain, Intestinal anti- inflammatory, promotes digestion	[2,14,15,22,1 00,205,237,23 8]		
	Leaves (infusion)	Med	Urinary tract disorders	Depurative	[2,15,100]	[106,107]	
	Leaves (compresses with infusion)	Med	Musculosk eletal system disorders and traumas	Anti-inflammatory for sprains, tired legs	[3,100]		

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	Leaves (bath/washing with infusion)	Med	Gynecolog ical disorders, obstetric and puerperal problems	Anti-inflammatory, facilitates childbirth	[3,15,100,206]	[101]	
	Leaves (bath)	Med	Nervous system disorders	Relaxant, sedative	[100]		-
	Leaves (infusion)	Med	Respirator y tract infections	Colds	[15,100,206,2 38]		_
	Leaves (compresses, Bath/washing with infusion)	Med	General condition	Anti-inflammatory, soothing	[3,100,205,23 7,238]	[100,101]	
Tilia spp.	Flowers/infloresce nces/flowering tops (infusion)	Med	Digestive tract disorders	Promotes digestion	[15,239,240,2 41]		
Tiglio	Flowers/infloresce nces/flowering tops (infusion)	Med	Respirator y tract infections	Cough	[2,13,14,15,2 2,204,206,239 ,240,241]		-
				Oleaceae			
Fraxinus excelsior L.	Leaves (infusion)	Med	Digestive tract disorders	Laxative, intestinal motility			_
Frassino, Frassino maggiore	Leaves (infusion)	Med	Urinary tract disorders	Diuretic, Urinary tract depurative	[15,22]		
-				Onagraceae			
<i>Epilobium</i> sp.	Leaves (infusion)	Med	Urinary tract disorders	Urinary tract depurative	[31,58,59]	[59]	Anti-inflammatory activity: myricetin-3-0-glucuronide [58,59];
Epilobio	Leaves (infusion)	Med	General condition	Anti-inflammatory	[58,59]	[58,59]	oenothein B, myricetine- 3-O-glucoside, myricetine-3-O-

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							galactoside, myricetine-3- O-rhamnoside and 3-O- glucuronides of quercetin e keampferol [58]
				Ovelopphone			Antioxidant activity: phenols [58,59]
				Orobanchaceae			
							Flavonoids: antioxidant [67]; anti-inflammatory [67,68]
Euphrasia	Flowers/infloresce nces/flowering		Onbthalmi	Ocular anti	[2 12 15 60 2	[31,67,68]	Polyphenols: anti- inflammatory [68]
rostkoviana Hayne Eufrasia	tops (compresses with infusion)	Med	Ophthalmi c ailments	Ocular anti- inflammatory	[3,13,15,68,2 42]		Active substances of the Euphrasia herb: iridoglicozoids (aucubin), tannins, phenolic acids, etheric oils, resin substances and flavonoids [68]
				Oxalidaceae			
Oxalis acetosella L. Cücülì, pan del cucù	Leaves (infusion)	Med	Digestive tract disorders	Digestive	[3,15]		
				Papaveraceae			
Chelidonium majus L. Celidonia, Erba dei porri	Latex or sap (applied raw)	Med	Skin diseases and traumas	Skin tags and warts	[2,3,13,14,15, 55,132,205,20 6]	[54,55]	Anti-inflammatory activity: alkaloids [55,132,243]in particular sanguinarine, chelidonine, chelerythrine, berberine e coptisine [243]
				Parmeliaceae			
Cetraria islandica (L.) Ach. subsp. islandica Lichene Nichel	Epigeal part (Whole) (infusion)	Med	Respirator y tract infections	Expectorant, decongestant, emollient Sorethroat and hoarseness	[2,3,13,15,18, 22,51]	[50,51,52]	Polysaccharides (lichenan and isolichenan especially active): antitussive [50]; immunomodulating [52];

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	Epigeal part (Whole) (salve/ointment)	Med	General condition	Anti-inflammatory	[51]	[51,53]	(lichenan only) anti- inflammatory [51]
				Passifloraceae			
<i>Passiflora</i> spp Passiflora	Epigeal part (Whole) (infusion)	Med	Nervous system disorders	Promotes sleep	[124,125]	[122,123,12 4,125,126]	Flavonoids and perhaps GABA: ansiolitic [125]
				Pinaceae			
	Resin (topical application)	Med	Oropharyn geal cavity affections	Gingivitis, toothache, mouth ulcers and abscesses			_
	Resin (ointment)	Med	Skin diseases and traumas	Anti-inflammatory, disinfectant and wound healing Sunburns, burns, frostbites, redness and rash	[2,3,14,244]	[31,87,88]	Procyanidins and larixinol: - antioxidant [244]
<i>Larix decidua</i> Mill. Larice	Resin (melted, mixed with red wine and applied to put in plaster)	Med	Musculosk eletal system disorders and traumas	Broken bones	[2,13,15]		Lignans and flavonols (wood-bark): anti- inflammatory [87,88], abietane, pimarane, and labdane type diterpenes:
	Fruits/infructescen ces/accessory fruits (syrup) Buds (syrup)	Med	Respirator y tract infections	Expectorant, decongestant, emollient Cough	[2,3,13,14,19, 87,244]	[88]	anti-inflammatory [87]
	Resin (inalation)						
	Resin (ointment)	Med	General condition	Anti-inflammatory	[244]	[31,87]	-
Picea abies (L.) H.Karst Abete rosso	Resin (topical application)	Med	Oropharyn geal cavity affections	Gingivitis, toothache, mouth ulcers and abscesses	[15]	[88,131,132]	Antibacterial activity: bark flavonoids [88]; piperidine alkaloids (epidihydropinidine) [131]

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	Resin (topical application)	Med	Skin diseases and traumas	Anti-inflammatory, disinfectant and wound healing	[3,132]		Antifungal activity: epidihydropinidine [131] Antimicrobial: buds E.O.
	Buds (syrup)	Med	Respirator y tract infections	Cough	[3,13,15,242]	[31,88]	Anti-inflammatory activity: bark stilbens and buds E.O. [132]; lignans and bark flavonols [88] Activity antioxidant: bark flavonoids [88] Mucolytic, hyperemic and antiseptic activities: E.O. [31]
Pinus cembra L. Pino cembro	Pine cones (syrup)	Med	Respirator y tract infections	Cough, Sorethroat	[2]	[133] Antimicrobial	Phenolics, flavonoids, and proanthocyanidins: antimicrobial activity [133]
	Resin (topical application, ointment)	Med	Skin diseases and traumas	Anti-inflammatory, disinfectant and wound healing Sunburns, burns, frostbites, redness and rash		[134]	E.O. needles, twigs and cones: anti-inflammatory.
Pinus mugo Turra Pino mugo, Pino montano	Resin (topical application)	Med	Other medicinal	Anti-inflammatory		[134]	(Prevalence of a-pinene in needles, δ -3-carene in
	Immature pine cones (infusion)	Med	Digestive tract disorders	Digestive	[3]		twigs and cones, limonene in twigs) [134]
	Resin (melted, filtered and used to put in plaster)	Med	Musculosk eletal system disorders	Sprains and dislocations Broken bones			

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			and				
			traumas				_
	Buds (syrup)		Respirator	Expectorant, decongestant, emollient			
	Immature pine cones (syrup)	Med	y tract infections	Sorethroat and hoarseness Colds Cough	[2,3,13,15,19]	[135,136]	_
	Resin (topical application)	Med	General condition	Infections		[134]	
	Resin (topical application)	Vet	Cattle	Disinfectant and wound healing			
				Plantaginaceae			
	Leaves (washing with infusion)	Med	Oropharyn geal cavity affections	Gingivitis, toothache, mouth ulcers and abscesses		[127,128,12 9]	Therapeutic properties due to flavonoids, alkaloids, terpenoids,
<i>Plantago major</i> L. Porceléra/ciantàna /plantàna	Leaves (applied raw)	Med	Skin diseases and traumas	Acne, pimples, foruncles, skin abscesses Anti-inflammatory, disinfectant and wound healing Skin tags and warts Insect bites	[2,3,13,15,19, 22,127,128,13 0,205]	[127,128,12 9,130]	polysaccharides, and vitamins. In particular, polyphenols (plantamajoside) and
	Leaves (infusion)	Med	Respirator y tract infections	Asthmatic bronchitis Cough	[13,15,127,13 0]	[127,129,13 0]	
	Leaves (applied as poultice)	Med	General condition	Anti-inflammatory Infections	[3,13,15,127]	[127,128,12 9]	baicaleina, and hispidulin): antioxidant
	Leaves (applied raw)	Vet	All animals	Leaves as wound healing	[13,18,22,127 ,128,130]	[127,128,12 9,130]	(may contribute to wound healing) Iridoid glycosides (aucubin) and flavonoids (baicalein and hispidulin): anti-inflammatory; Pectin Polysaccharide II (PMII) antibacterial

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[129]

(Anti urticaria treatment)
Ursolic acid, oleanolic acid
and a-linolenic acid:
inhibition of COX-2
Luteolin: suppresses
leukocyte migration and
inhibits mast cell
degranulation
[130]

				Polygonaceae				
Rumex acetosa L. Acetosa	Leaves (eaten raw)	Vet	Cattle	Improves milk taste				
7.00000	Leaves (applied as poultice)	Skin diseases and traumas		Wound healing, wounds	[15,18]	[147] (antibacterial) [148] (antibacterial)		
	Leaves (Unknown) Med Other		Other	Anti-inflammatory	inflammatory			
Rumex alpinus L. Slavàzza	Leaves (applied as poultice)	Circulator Med y system disorders		Varicose vein	[3,15]		Nepodin (2-Acetil-3- methylnaphthalene-1,8- diol): antibacterial	
	Leaves (macerated oil, applied as poultice)	cerated oil, Med oplied as oultice)		Anti-inflammatory for joints, Contusions	[13]		[147,148]	
	Leaves (applied as poultice)	Med	General condition	Soothing				
	Leaves (boiled and eaten)	Vet	Pigs	Boiled leaves	[3,15]			
				Polypodiaceae				
<i>Polypodium</i> <i>vulgare</i> L. Feles	Underground organs (roots/bulbs/tuber	Med	Digestive tract disorders	Laxative, intestinal motility Vermifuge	[15,22,137,24 5,246,247]	[137]	Resins of the rhizome: anthelmintic; glycosides (polydin): laxative	

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	s/rhizomes) (eaten raw)						[137]
	Underground organs (roots/bulbs/tuber s/rhizomes) (cooked and eaten)	Med	General condition	Immunomodulant	[137]		-
				Rosaceae			
	Epigeal part (Whole) (infusion)	Med	Digestive tract disorders	Digestive	[27,28,248]		Quercetin-3-O-b-D- glucopyranoside, quercetin-3-O-b-D-
Alchemilla vulgaris L. Alchemilla	Epigeal part (Whole) (macerated oil)	Med	Musculosk eletal system disorders and traumas	Muscle Inflammations and pain Hernia	[3]	Anti- inflammatory [28]	rutinoside, quercetin-3-0- a-D-arabinofuranoside, and 3-O-kaempferol-6-O- (p-coumaroyl)-b-D- glucopyranoside: anti- inflammatory [27]
	Epigeal part (Whole) (infusion)	Med	Nervous system disorders	Sedative hypnotic, promotes sleep	[13]		Phenols: anti- inflammatory and antioxidant [28]
<i>Crataegus</i> <i>monogyna</i> Jacq. Biancospino	Flowers/infloresce nces/flowering tops (infusion)	Med	Respirator y tract infections	Cough	[249]	[250] Antibacterial	
	Fruits/infructescen ces/accessory fruits (infusion)	Med	Urinary tract disorders	Diuretic, Urinary tract depurative	[2,14,15,138]	[138] (only stalks)	_
<i>Prunus avium</i> L. Ciliegio	Seeds (put in a pillow and heated)	Med	Musculosk eletal system disorders and traumas	Muscle Inflammations and pain Rheumatic pain	[15]	[251] (heat therapy)	
Rosa canina L. Fròsole/Frösuli (false fruits)	Flowers/infloresce nces/flowering tops	Med	Other	Depurative	[15]		Medicinal properties of <i>R. canina</i> (in particular anti-inflammatory and

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							antioxidant activities) due	
	Leaves (infusion)	Med	Digestive tract disorders	Laxative Promotes digestion	[3,15]		to flavonoids, carotenoids, fatty acids, vitamin C [140]	
	Leaves (infusion)	Med	Urinary tract disorders	Depurative	[3,13,139,140]	[139]	Particularly: FAs (linoleic and a-linolenic acids);	
	Flowers/infloresce nces/flowering tops (infusion)	Med	Nervous system disorders	Relaxant			GOPO® (Galactolipid (2S)-1,2-di-O- [(9Z,12Z,15Z)-octadeca- 9,12,15-trienoyl]-3-O-B-	
	Fruits/infructescen ces/accessory fruits (infusion)	Med	Respirator y tract infections	Decongestant Sorethroat	[3,14,15,139, 140]	[139,140]	D-galactopyranosy glycerol); oleanic, ursolic, and betulinic acids: anti- inflammatory activity [140]	
				Solanaceae				
Solanum tuberosum L. Patata	Underground organs (roots/bulbs/tuber s/rhizomes) (tubers sliced and applied)	Med	Ophthalmi c ailments	Ocular anti- inflammatory	[3,15,205]	Anti- inflammatory [159,160,16 1]	Anti-inflammatory activity: glycoalkaloids (a-chaconine, a-solanine, and solanidine) [159,160]; isolated peptides [161] Antioxidant activity: phenolic compounds (chlorogenic acid), proteins (patatins), and peptides [160]	
				Urticaceae				
	Leaves (cooked and eaten)	Med	Circulator y system disorders	Blood depurative	[13,14,174,17 5]	[173,174]	Anti-inflammatory activity against muscle pain and	
<i>Urtica dioica</i> L. Ortica	Leaves (infusion)	Med	Digestive tract disorders	Digestion, Liver depurative	[2,3,15,22,17 4,206]	[173,174]	rheumatism: acetylcholine, serotonine, formic acid [173];	
	Leaves (infusion)	Med	Urinary tract disorders	Depurative	[2,3,13,15,18, 173,174,175]	[173,174]	terpenes and phenols [176]	

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Leaves (applied as a poultice)	Med	Musculosk eletal system disorders and traumas	Rheumatism, Contusions, Hematoma	[3,13,14,15,2 2,173,174,175 ,205]	[65,173,174, 175,176]
Epigeal part (Whole) (infusion)	Med	General condition	Anti-inflammatory, Corroborant	[174]	[173,174,17 6]



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