Supplementary materials

Table S1. Medicinal plant species used for wound healing and related skin conditions, including family, origin, plant part used, number of reports, Brazilian region, and experimental evidence for antibacterial effect.

Family	Scientific name*	Origin**	Number of citations***	Plant part used#	Brazilian region$	Part of the plant/Type of extract/concentration	Bacterial specie(s); MIC value (s) (μg/mL)	Refs.
Amaranthaceae	*Alternanthera brasiliana* (L.) Kuntze	N	5	L, R	CW (2), NE (2), S (1)	Leaves, aqueous extract (ext)	*Mycobacterium smegmatis*; 15.6	[37]
	Alternanthera dentata (Moench) Stuchlík ex R.E. Fr.	N	1	L	S (1)	-	-	-
	Alternanthera ramosissima (Mart.) Chodat	N	1	L	CW (1)	-	-	-
	Dysphania ambrosioides (L.)	E	5			Leaves, hydroethanolic ext	*Helicobacter pylori*; 200	[40]

	Mosyakin & Clemants			AP, WP, L, R	CW (2), NE (2), S (1)	Aerial parts, essential oil	*Acinetobacter baumannii*; 140 *Escherichia coli*; 90 *Pseudomonas aeruginosa;* 120 *Staphylococcus aureus*;120	[41]
Anacardiaceae	*Anacardium humile* A. St.-Hil.	N	1	B, F, L, R	CW (1)	Leaves, ethanol ext	*Staphylococcus aureus*; 4.1 *Pseudomonas aeruginosa*; 8.2	[49]
						Leaves, acetone ext (tannins from butanol)	*Staphylococcus aureus*; 4.1 *Enterococcus faecalis*; 2	[50]
	Anacardium occidentale L.	N	8	B, SB, F, L, R	CW (2), N (1), NE (5)	Root bark, methanol ext	*Bacillus subtilis;*40 *Enterococcus faecalis;*10 *Escherichia coli;* 40 *Klebsiella spp;*40 *Proteus mirabilis;* 40 *Pseudomonas aeruginosa;* 10	[44]

						Staphylococcus aureus; 20 *Streptococcus spp;* 40	
					Leaves, ethanol ext	*Bacillus subtilis*; 12.5 *Escherichia coli*; 12.5 *Pseudomonas aeruginosa*; 25 *Staphylococcus aureus*; 50	[45]
					Nuts, acetone ext	*Staphylococcus aureus*; 0.00188-0.00375	[46]
					Leaves, acetone ext	*Mycoplasma mycoides* subsp. *mycoides;* 310	[47]
					Aerial parts, hexane and methanol exts	*Staphylococcus aureus*; 62.5 and 7.5 *Enterococcus faecalis;* 125 and 7.5	[48]
Myracrodruon urundeuva Allemão	N	5	B, SB, F, L, R	CW (2), N (1), NE (4), S (1)	Leaves, ethanol ext	*Pseudomonas aeruginosa*; 4.1 *Staphylococcus aureus*; 4.1	[49]

						Leaves, essential oil	*Staphylococcus aureus*; 220 *Staphylococcus epidermidis*; 110	[53]
Schinus molle L.	N	1		FL	S (1)	Leaves, methanol ext Flower, methanol ext Bark, methanol ext	*Staphylococcus aureus*; 250-125 *Staphylococcus aureus*; 125-62.5 *Enterococcus, faecalis;* 125 *Staphylococcus aureus*; 125	[55]
						Fruits, hexane ext Flower hexane ext Barks hexane ext Fruits hexane ext	*Mycobacterium tuberculosis;* 125 *Streptococcus pneumoniae;* 250 *Streptococcus pneumoniae;* 250 *Streptococcus pneumoniae;* 62.5	[56]
	N	4				Leaves, lectin	Reduced the bacterial load (12-fold to 72-fold	[58]

	Schinus terebinthifolia Raddi			B, L, S SB, Sd	CW (1), NE (2), S (1)		for 32 μg/mL, and 14-fold to 282-fold for 64 μg/mL)	
						Leaves, 80% aqueous ethanol ext	*Acinetobacter baumannii; 80%* inhibition at 256 μg/ml	[60]
	Himatanthus drasticus (Mart.) Plumel	N	3	Lt	N (1), NE (2)	-	-	-
	Himatanthus sucuuba (Spruce ex Müll.Arg.) Woodson	N	1	B, Lt	CW (1)	Latex, aqueous fraction	*Staphylococcus aureus*; 350 *Staphylococcus epidermidis*; 350 *Staphylococcus haemolyticus*; 350	[65]
	Himatanthus obovatus (Müll. Arg.) Woodson	N	1	L	CW (1)	-	-	-
Asphodelaceae	*Aloe arborescens* Mill.	E	1	L	S (1),	Leaves, 1:1 dichloromethane: methanol and aqueous exts	*Helicobacter pylori;* 250 and 130	[69]

					Leaves, 1:1 dichloromethane: methanol ext	*Helicobacter pylori;* 130	[70]
					Leaves, acetone ext	*Enterococcus faecalis*; 89 *Staphylococcus aures*; 18 *Salmonella typhimurium*;156 *Shigella flexneri*; 18	[71]
					Leaves, ethanol (70%) and methanol (80%) at a ratio of 1:10 ext	*Enterococcus faecalis*;140 *Staphylococcus aureus*; 70	[72]
Aloe vera (L.) Burm.f. (syn *Aloe barbadensis*)	E	9	B, L, Sp	CW (2), NE (3), S (3), SE (1)	Leaves gel, 100 g of gel in 2% DMSO	*Streptococcus mutans*; 25 *Aggregatibacter actinomycetemcomitans*; 50 *Porphyromonas gingivalis*; 50	[75]

						Leaves gel, 100 g of gel in 2% DMSO	MDR *Pseudomonas aeruginosa*, ≤ 200 (89.4% of isolates)	[76]
						Leaves, ethanol exts	*Bacillus megaterium*; 32 *Bacillus subtilis*; 128 *Escherichia coli*; 32 *Salmonila typhi*-A; 64 *Shigella dysenteiae*; 128 *Staphylococcus aureus*; 128	[77]
Asteraceae	*Calendula officinalis* L.	E	4	Fl, L	NE (1), S (2), SE (1)	Flower, methanol exts	*Erwinia amylovara;* 256	[81]
Boraginaceae	*Symphytum officinale* L.	E	7	L, R	CW (2), NE (2), S (3), SE (1)	Leaves, ethanol and aqueous exts	*Escherichia coli;* 98 and 98 *Staphylococcus epidermidis*, 78.1	[86]
Celastraceae	*Maytenus ilicifolia* Mart. ex Reissek	N	3	L	NE (2), S (3)	Leaves, methanol ext	*Bacillus cereus*; 156	[87]
	Maytenus rigida Mart.	N	1	L, Sb	NE (1)	-	-	-

Euphorbiaceae	*Croton heliotropiifolius* Kunth	N	2	R	NE (2)	Aerial parts, essential oil	*Bacillus cereus*; 62.5	[95]
	Croton salutaris Casar.	N	1	Lt	CW (1)	-	-	-
	Croton urucurana Baill.	N	2	B, L, Lt	CW (1), SE (1)	Latex (fresh), aqueous ext	*Pseudomonas aeruginosa*; 125 *Escherichia coli, Enterococcus* faecalis, *Staphylococcus* aureus, *Staphylococcus epidermidis*, S. pyogenes, *Escherichia coli*, *Klebsiella pneumoniae*, *Salmonella typhimurium*, *Shigella flexneri*; 250	[98]
						Stem bark, ethanol ext	*Escherichia coli*, *Pseudomonas aeruginosa*, *Salmonella typhimurium,*	

						Stem bark, chloroform ext	*Staphylococcus epidermidis*; 250 *Escherichia coli*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, *Salmonella typhimurium*, *Shigella flexneri*;250	
	Croton zehntneri Pax & K. Hoffm.	N	1	L, R	NE (1)	Leaves, ethanol ext	*Staphylococcus aureus*; 64	[96]
Fabaceae	*Anadenanthera colubrina* (Vell.) Brenan	N	2	IB, SB	CW (1), NE (1)	-	-	-
	Anadenanthera colubrina var. cebil (Griseb.) Altschul	N	1	IB	CW (1)	Aerial parts, ethyl acetate ext	*Staphylococcus aureus*; 312.5	[102]
	Anadenanthera peregrina (L.) Speg.	N	1	B, R, Rs	CW (1)	Leaves, aqueous ext	*Staphylococcus aureus*; 310	[103]
	Anadenanthera peregrina var.	N	1	IB	CW (1)	-	-	-

falcata (Benth.) Altschul							
Caesalpinia ferrea C. Mart.	N	3	F, S, SB, Sd	CW (1), NE (2)	Pods, methanol aqueous 80% ext	*Parvimonas micra*; 50 *Porphyromonas gingiv*alis; 120	[109]
					Pods, ethanol ext	*Bacillus subtillis*; 50 *Enterococcus faecalis*; 50 *Escherichia coli*; 50 *Klebsiella pneumoniae*; 125 *Pseudomonas aeruginosa*; 125 *Staphylococcus aureus*; 125	[110]
					Fruits, methanol ex	*Streptococcus mutans*; 40.0 *Streptococcus salivarius*; 66.0 *Streptococcus oralis;* 100.0	[111]

						Lactobacillus casei; 66.0	
Copaifera cearensis Huber ex Ducke	N	1	Oi	NE (1)	-	-	-
Copaifera langsdorffii Desf.	N	3	F, S, SB, SI, L, Rs, Sd	CW (1), NE (2)	Trunk, oleoresin	*Staphylococcus aureus*; 125	[118]
					Trunk, oleoresin	*Staphylococcus aureus*; 200	[119]
					Leaves, ethyl acetate	*Staphylococcus aureus*; 32	[120]
					Trunk, oleoresin	*Mycobacterium tuberculosis*; 62.5-250	[121]
Copaifera multijuga Hayne	N	1	SB, Oi	N (1)	Trunk, oleoresin	*Mycobacterium tuberculosis*; 125-250	[121]
					Trunk, oleoresin	*Salmonella choleraesuis*; 250	[118]
Hymenaea courbaril L.	N	3	F, SB, IB, Rs	CW (1), NE (2)	Leaves, methanol ext	*Staphylococcus aureus*,16 *Pseudomonas aeruginosa*; 16	[127]

					Stem bark, methanol and hexane exts	*Mycobacterium tuberculosis*; 200 and 200	[128]
					Stem bark, hexane and dichloromethane exts	*Nocardia brasiliensis;* 25-200 and 25-200	
					Fruit peels, essential oil	*Escherichia coli*; 190 *Staphylococcus aureus*; 170	[129]
					Fruits, bark and starchy pulp hydroalcoholic exts	*Escherichia coli*; 350 and 350 *Pseudomonas aeruginosa*; 350 and 350 *Staphylococcus aureus*; 350 and > 400	[130]
Stryphnodendron adstringens (Mart.) Coville	N	7	B, S, SB, IB, L, Sp, Sd	CW (2), NE (4), SE (1)	Stem bark, aqueous and ethanol exts	*Staphylococcus aureus*; 19.80-58.10 and 4.64 *Streptococcus mutans*; 20.33-38.33 and 3.25 *Actinobacillus actinomycetemcomitans*; 18.83-28.41 and 5.86	[136]

						Stem bark and leaves, hydroalcoholic exts	*Staphylococcus aureus*; 31.25 and 62.5 *Staphylococcus epidermidis*; 7.81 and 15.6	[137]
						Bark, ethanol exts	*Escherichia coli*; 250 *Klebsiella pneumoniae*; 250 *Pseudomonas aeruginosa*; 250 *Staphylococcus aureus*; 250	[138]
						Stem bark, acetone/H_2O (7:3 v/v) exts (aqueous and ethyl acetate fractions)	*Staphylococcus aureus*; 125-250 (also for fractions)	[139]
Malvaceae	*Sida planicaulis* Cav.	N	1	L	SE (1)	-	-	-
	Sida rhombifolia L.	N	1	L	SE (1)	-	-	-
	Sida cf. cordifolia L.	N	1	L, WP	NE (1)	Leaves, ethanol ext	*Bacillus subtilis*; 98	[143]

	Sida cf. linifolia Juss. ex Cav.	N	1	L, WP	NE (1)	-	-	-
Myrtaceae	*Psidium guajava* L.	E	4	B, L, St	CW (1), NE (2), S (1)	Leaves; methanol-chloroform ext	*Bacillus subtilis*; 250	[147]
						Leaves; ethyl acetate and acetone exts	*Escherichia coli*; 50% of antibiofilm effect (BI_{50}) about 60 μg/ml	[148]
Olacaceae	*Ximenia americana* L.	N	4	B, SB, IB	NE (4)	Roots; phenol acid-rich fraction	*Escherichia coli; Klebsiella arogenes;* 100 *Proteus mirabilis, Shigella boydii, Shigella flexneri, Salmonella thyphi*; 25	[151]
						Root barks; dichloromethane ext	*Mycobacterium tuberculosis*; 125	[152]
Piperaceae	*Piper aduncum* L.	N	1	-	NE (1)	Leaves/inflorescences, hexane ext	*Bacillus cereus*; 62.5/50 *Brochothrix thermosphacta*; 150/62.5 *Escherichia coli*; 400/20	[154]

						Salmonella typhimurium; 100/62.5 *Clostridium botulinum*; 200/32.5 *Pseudomonas fluorescens*; 50/50	
					Leaves, 80% ethanol ext	*Streptococcus mutans*; 160	[155]
					Leaves, essential oils	*Staphylococcus aureus*; 16	[156]
Piper amalago L.	N	1	L	S (1)	Leaves, chloroform ext	*Alicyclobacillus acidoterrestris*; 62.3	[159]
					Leaves; essential oils	*Bacillus cereus*; 313	[160]
Piper gaudichaudianum Kunth	N	1	L	S (1)	Leaves; essential oils	*Staphylococcus aureus*; 100-25	[162]
Piper peltatum L.	N	1	L	N (1)	Leaves, hydroalcoholic ext	*Staphylococcus aureus* species, 125 *Bacillus subtilis;* 31.25	[164]
					Leaves, hydroalcoholic ext	*Alicyclobacillus acidoterrestris*; 15.62	[165]

	Piper umbellatum L.	N	1	L, R	S (1)	Leaves, essential oils	*Staphylococcus aureus*; 156	[167]
Plantaginaceae	*Plantago major* L.	E	2	L	NE (1), SE (1)	Leaves and roots; 40% ethanol ext	*Escherichia coli*; 2 *Klebsiella pneumonia*; 4 and 2	[173]
	Plantago sparsiflora Michx.	E	1	L, Se, Sap, WP	CW (1)	-	-	-
	Plantago tomentosa Lam.	N	1	L	S (1)	-	-	-
Solanaceae	*Solanum aculeatissimum* Jacq.	N	1	F	S (1)	-	-	-
	Solanum americanum Mill.	N	3	L, WP	NE (2), S (1)	-	-	-
	Solanum capsicoides All.	N	1	F	SE (1)	-	-	-
	Solanum lycopersicum L.	E	1	F	N (1)	Fruits, ethanol and aqueous exts	*Bacillus cereus*; 130	[179]
	Solanum tuberosum L.	E	1	F	SE (1)	Fruits, methanol exts	*Escherichia coli*; 312 *Pseudomonas aeruginosa*; 312	[180]

	Staphylococcus aureus; 312

*Plant species were selected based on popular uses reported in ethnobotanical sources that included one or more of the following indications: wound healing, skin disorders, burns, furuncles, or erysipelas, and when the genus was cited three or more times. **Origin (native or exotic) was determined using the Tropicos database (https://www.tropicos.org/) and the Reflora database (https://reflora.jbrj.gov.br). ***Number of citations refers to the number of times each plant species was reported across the selected articles. # Plant parts used (abbreviations): AP: aerial parts; B: bark; F: fruit; Fl: flower; IB: inner bark; Lt: latex; L: leaf; Oi: oil; R: root; Rs: resin or oleoresin; S: stem; SB: stem bark; Sd: seed; Sp: sap; St: shoots; WP: whole plant. $Brazilian regions: CW: Central-West; NE: Northeast; N: North; S: South.