Table S1 the resource diversity in every country reported worldwide

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Region | Species | Food Use | Medicine Use |  Reference |
| Afghanistan | L. depressum Stocks |   | medicine |  (Yao et al., 2018) |
| Afghanistan | L. ruthenicum Murray | food | medicine |   (Editorial Committee of Chinese Flora, Chinese Academy of Sciences, 1978) |
| Africa | L. barbarum L. | food | medicine |  (Sun et al., 2011) |
| Algeria | L. europaeum L. | food | medicine |  (Bendjedou et al., 2021) |
| Algeria | L. intricatum Boiss |   | medicine |   (Yao et al., 2018) |
| Algeria | L. schweinfurthii Dammer |   | medicine | (Mamdouh et al., 2021) |
| Angola | L. bosciifolium Schinz | food |   |  (Ndithia and Perrin, 2006) |
| Angola | L. decumbens Welw. ex Hiern |   |   |  (Levin et al., 2006) |
| Angola | L. horridum Thunb. |   |   |   (Yao et al., 2018) |
| Angola | L. oxycarpum Dunal |   | medicine |  (Arnold et al., 2002) |
| Angola | L. tetrandrum Thunb. | food |   |   (Watt and Breyer-Brandwijk, 1986) |
| Argentina | L. ameghinoi Speg. |   |   |  (Yao et al., 2018) |
| Argentina | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Argentina | L. athium Bernardello |   |   |  (Yao et al., 2018) |
| Argentina | L. cestroides Schltdl. |   | medicine |  (Rondina et al., 2008) |
| Argentina | L. chanar Phil. |   |   |  (Villavicencio et al., 2005) |
| Argentina | L. chilense Bertero |   | medicine |  (Levin and Miller, 2005a) |
| Argentina | L. ciliatum Schltdl. |   | medicine | (Trillo et al., 2010) |
| Argentina | L. cuneatum Dammer |   |   |   (Yao et al., 2018) |
| Argentina | L. cyathiformum C.L. Hitchc. |   |   |  (Hitchcock, 1932) |
| Argentina | L. elongatum Miers |   | medicine |  (Toledo et al., 2014) |
| Argentina | L. fuscum Miers |   |   |  (Dalmasso and Márquez, 2018) |
| Argentina | L. gilliesianum Miers |   |   |   (Yao et al., 2018) |
| Argentina | L. glomeratum Sendtn. |   |   |   (Yao et al., 2018) |
| Argentina | L. humile Phil. |   |   |   (Yao et al., 2018) |
| Argentina | L. infaustum Miers |   |   |   (Yao et al., 2018) |
| Argentina | L. minutifolium Remy |   |   |   (Yao et al., 2018) |
| Argentina | L. morongii Britton |   |   |   (Yao et al., 2018) |
| Argentina | L. nodosum Miers |   |   |   (Yao et al., 2018) |
| Argentina | L. repens Speg |   |   |   (Yao et al., 2018) |
| Argentina | L. schreiteri F.A.Barkley |   |   |   (Yao et al., 2018) |
| Argentina | L. stenophyllum J. Rémy |   |   |   (Yao et al., 2018) |
| Argentina | L. tenuispinosum S.B. Jones & W.Z. Faust |   |   |   (Yao et al., 2018) |
| Argentina | L. tenuispinosum var. friesii (Dammer)C.H. Hitchc. |   |   |   (Yao et al., 2018) |
| Argentina | L. vimineum Miers |   |   |  (Levin and Miller, 2005b) |
| Armenia | L. anatolicum A.Baytop & R.R.Mill |   |   |  (Yao et al., 2018) |
| Asia | L. barbarum L. | food | medicine |  (Gong et al., 2016) |
| Asia, | L. chinense Mill. | food | medicine |  (PARK et al., 2012) |
| Australia | L. australe F.Muell | food |   |  (Jeanes, 1999) |
| Australia | L. cestroides Schltdl. |   | medicine |  (Rondina et al., 2008) |
| Australia | L. ferocissimum Miers | food | medicine |  (McCulloch et al., 2020) |
| Austria | L. barbarum L. | food | medicine |  (Kocyigit and Sanlier, 2017) |
| Austria | L. chinense Mill. | food | medicine |  (Yao et al., 2018) |
| Bahamas | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Bahamas | L. tweedianum Griseb. | food |   | (Roth and Lindorf, 2013) |
| Bolivia | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Bolivia | L. cestroides Schltdl. |   | medicine |  (Rondina et al., 2008) |
| Bolivia | L. chanar Phil. |   |   |  (NCN, 2004) |
| Bolivia | L. chilense Bertero |   | medicine |  (Yao et al., 2018) |
| Bolivia | L. ciliatum Schltdl. |   | medicine |  (Trillo et al., 2010) |
| Bolivia | L. cuneatum Dammer |   |   |  (Yao et al., 2018) |
| Bolivia | L. cyathiformum C.L. Hitchc. |   |   | (Yao et al., 2018) |
| Bolivia | L. distichum Meyen |   |   |  (Yao et al., 2018) |
| Bolivia | L. divaricatum Rusby |   |   | (Yao et al., 2018) |
| Bolivia | L. glomeratum Sendtn. |   |   |   (Yao et al., 2018) |
| Bolivia | L. infaustum Miers |   |   |   (Yao et al., 2018) |
| Bolivia | L. morongii Britton |   |   |   (Yao et al., 2018) |
| Bolivia | L. nodosum Miers |   |   |   (Yao et al., 2018) |
| Bolivia | L. tweedianum Griseb. | food |   | (Roth and Lindorf, 2013) |
| Botswana | L. arenicolum Miers |   |   |  (Yao et al., 2018) |
| Botswana | L. bosciifolium Schinz | food |   |  (Ndithia and Perrin, 2006) |
| Botswana | L. cinereum Thunb. | food | medicine |   (Yao et al., 2018) |
| Botswana | L. hirsutum Dunal |   |   |   (Yao et al., 2018) |
| Botswana | L. horridum Thunb. |   |   |   (Yao et al., 2018) |
| Botswana | L. pilifolium C.H. Wright |   |   |   (Yao et al., 2018) |
| Botswana | L. schizocalyx C.H. Wright |   |   |   (Yao et al., 2018) |
| Botswana | L. shawii Roem. & Schult. | food | medicine |   (Yao et al., 2018) |
| Botswana | L. villosum Schinz |   |   |   (Yao et al., 2018) |
| Brazil | L. cestroides Schltdl. |   | medicine |  (Rondina et al., 2008) |
| Brazil | L. chilense Bertero |   | medicine |  (Yao et al., 2018) |
| Brazil | L. ciliatum Schltdl. |   | medicine | (Trillo et al., 2010) |
| Brazil | L. glomeratum Sendtn. |   |   |   (Yao et al., 2018) |
| Brazil | L. martii Sendtn. |   |   |   (Yao et al., 2018) |
| Caicos Islands | L. infaustum Miers |   |   |   (Yao et al., 2018) |
| Caicos Islands | L. tweedianum Griseb. | food |   | (Roth and Lindorf, 2013) |
| Chile | L. chanar Phil. |   |   |  (Aguilar et al., 2002) |
| Chile | L. chilense Bertero |   | medicine |  (Levin and Miller, 2005a) |
| Chile | L. deserti Phil. |   |   |  (Pinto et al., 2006) |
| Chile | L. distichum Meyen |   |   | (Montesinos-Tubée, 2016) |
| Chile | L. gilliesianum Miers |   |   |   (Yao et al., 2018) |
| Chile | L. humile Phil. |   |   |   (Yao et al., 2018) |
| Chile | L. leiostemum Wedd. |   |   |   (Yao et al., 2018) |
| Chile | L. minutifolium Remy |   |   |   (Yao et al., 2018) |
| Chile | L. rachidocladum Dunal |   |   |   (Yao et al., 2018) |
| Chile | L. stenophyllum J. Rémy |   |   |   (Yao et al., 2018) |
| Chile | L. tenuispinosum S.B. Jones & W.Z. Faust |   |   |   (Yao et al., 2018) |
| China | L. chinense var. potaninii (Pojark.)A.M.Lu |   | medicine |  (Yao et al., 2018) |
| China | L. cylindricum Kuang & A. M. Lu |   |   |  (Li et al., 2014) |
| China | L. dasystemum Pojark. | food | medicine |  (WANG et al., 2013) |
| China | L. glomeratum Sendtn. |   |   |   (Yao et al., 2018) |
| China | L. ruthenicum Murray | food | medicine | (Wang et al., 2018) |
| China | L. truncatum Y.C. Wang |   | medicine |   (Editorial Committee of Chinese Flora, Chinese Academy of Sciences, 1978) |
| China | L. yunnanense Kuang & A.M. Lu |   |   | (ZHAO et al., 2018) |
| Colombia | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Colombia | L. infaustum Miers |   |   |   (Yao et al., 2018) |
| Colombia | L. tweedianum Griseb. | food |   | (Roth and Lindorf, 2013) |
| Costa Rica | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Cuba | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Cuba | L. carolinianum Walter (Moc. & Sessé ex Dunal) C.L.Hitchc | food |   |  (Pipoly III and Granson, 2013) |
| Cuba | L. martii Sendtn. |   |   |   (Yao et al., 2018) |
| Cuba | L. tweedianum Griseb. | food |   | (Roth and Lindorf, 2013) |
| Cyprus | L. schweinfurthii Dammer |   | medicine |   (Ralf, 2000) |
| Daitou Island | L. sandwicense A. Gray | food |   |   (Levin and Miller, 2005a) |
| Dominican | L. infaustum Miers |   |   |   (Yao et al., 2018) |
| Dominican | L. tweedianum Griseb. | food |   | (Roth and Lindorf, 2013) |
| Dominican Republic | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Easter Island | L. carolinianum Walter (Moc. & Sessé ex Dunal) C.L.Hitchc | food |   |  (Levin and Miller, 2021) |
| Easter Island | L. sandwicense A. Gray | food |   | (Blank et al., 2014) |
| Ecuador | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Ecuador | L. chilense Bertero |   | medicine |  (Yao et al., 2018) |
| Ecuador | L. infaustum Miers |   |   |   (Yao et al., 2018) |
| Ecuador | L. minimum C.L. Hitchc. |   |   |   (Yao et al., 2018) |
| Ecuador | L. nodosum Miers |   |   |   (Yao et al., 2018) |
| Ecuador | L. tweedianum Griseb. | food |   | (Roth and Lindorf, 2013) |
| Egypt | L. europaeum L. | food | medicine |  (Zahran and El-Amier, 2013) |
| Egypt | L. intricatum Boiss |   | medicine |   (Yao et al., 2018) |
| Egypt | L. schweinfurthii Dammer |   | medicine |   (Mamdouh et al., 2021) |
| Egypt | L. shawii Roem. & Schult. | food | medicine |   (Soltan and Zaki, 2009) |
| Ethiopia | L. shawii Roem. & Schult. | food | medicine |   (Seifu et al., 2006) |
| Europe | L. barbarum L. | food | medicine |  (Yao et al., 2018) |
| Europe | L. chinense Mill. | food | medicine |   (Yao et al., 2018) |
| France | L. afrum L. | food | medicine | (Dhar et al., 2011; Yao et al., 2018) |
| France | L. chilense Bertero |   | medicine |  (Yao et al., 2018) |
| France | L. europaeum L. | food | medicine |  (Yao et al., 2018) |
| Georgia | L. ruthenicum Murray | food | medicine |   (Yao et al., 2018) |
| Germany | L. afrum L. | food | medicine | (Dhar et al., 2011; Yao et al., 2018) |
| Germany | L. berlandieri Dunal | food | medicine |   (Yao et al., 2018) |
| Germany | L. cestroides Schltdl. |   | medicine |  (Rondina et al., 2008) |
| Greece | L. schweinfurthii Dammer |   | medicine |   (Erwin et al., 2001) |
| Haiti | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Hawaiian Islands | L. sandwicense A. Gray | food |   |  (Blank et al., 2014) |
| India | L. edgeworthii Miers |   |   | (Yao et al., 2018) |
| India | L. europaeum L. | food | medicine |  (Kumar and Joshi, 1972) |
| India | L. ruthenicum Murray | food | medicine |   (Editorial Committee of Chinese Flora, Chinese Academy of Sciences, 1978) |
| Iran | L. dasystemum Pojark. | food | medicine |  (AZADI et al., 2007) |
| Iran | L. depressum Stocks |   | medicine |  (Tabaraki et al., 2013) |
| Iran | L. edgeworthii Miers |   |   | (Yao et al., 2018) |
| Iran | L. horridum Thunb. |   |   |   (Yao et al., 2018) |
| Iran | L. ruthenicum Murray | food | medicine | (Editorial Committee of Chinese Flora, Chinese Academy of Sciences, 1978) |
| Iraq | L. depressum Stocks |   | medicine |  (Ghasemi et al., 2013) |
| Islasde Barlovento | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Israel | L. depressum Stocks |   | medicine |  (Yao et al., 2018) |
| Israel | L. europaeum L. | food | medicine |  (Yao et al., 2018) |
| Israel | L. schweinfurthii Dammer |   | medicine |  (Abou Auda, 2011) |
| Israel | L. shawii Roem. & Schult. | food | medicine |   (Yao et al., 2018) |
| Italy | L. intricatum Boiss |   | medicine |  (Yao et al., 2018) |
| Italy | L. petraeum Feinbrun |   |   |   (Yao et al., 2018) |
| Jamaica | L. californicum A. Gray |   |   |   (Yao et al., 2018) |
| Jamaica | L. carinatum S. Watson |   |   |  (Yao et al., 2018) |
| Jamaica | L. infaustum Miers |   |   |   (Yao et al., 2018) |
| Jamaica | L. tweedianum Griseb. | food |   | (Roth and Lindorf, 2013) |
| Jordan | L. depressum Stocks |   | medicine |  (Yao et al., 2018) |
| Japan | 1. chinense Mill
 | food | medicine | (Editorial Committee of Chinese Flora, 1978) |
| Jordan | L. petraeum Feinbrun |   |   |   (Yao et al., 2018) |
| Jordan | L. shawii Roem. & Schult. | food | medicine |   (Yao et al., 2018) |
| Lesotho | L. acutifolium E. Mey. ex Dunal | food | medicine | (D'Arcy, 1992; Dhar et al., 2011) |
| Lesotho | L. arenicolum Miers |   |   |  (Yao et al., 2018) |
| Lesotho | L. cinereum Thunb. | food | medicine |  (Yao et al., 2018) |
| Lesotho | L. ferocissimum Miers | food | medicine |  (Yao et al., 2018) |
| Lesotho | L. horridum Thunb. |   |   |   (Yao et al., 2018) |
| Madagascar | L. acutifolium E. Mey. ex Dunal | food | medicine | (D'Arcy, 1992; Dhar et al., 2011) |
| Madagascar | L. horridum Thunb. |   |   |   (Yao et al., 2018) |
| Madagascar | L. mascarenense A.M. Venter & A.J. Scott |   |   |   (Yao et al., 2018) |
| Mauritania | L. intricatum Boiss |   | medicine |   (Yao et al., 2018) |
| Mauritania | L. schweinfurthii Dammer |   | medicine |   (Yao et al., 2018) |
| Mauritius | L. horridum Thunb. |   |   |   (Yao et al., 2018) |
| Mauritius | L. mascarenense A.M. Venter & A.J. Scott |   |   |   (Yao et al., 2018) |
| Mauritius | L. minutifolium Remy |   |   |   (Yao et al., 2018) |
| medieval Cairo | L. afrum L. | food | medicine | (Dhar et al., 2011; Yao et al., 2018) |
| Mexico | L. andersonii A. Gray | food |   |  (Saunders, 1920) |
| Mexico | L. andersonii var. deserticola (C.L.Hitchc.) Jeps. |   |   |   (Yao et al., 2018)   |
| Mexico | L. berlandieri Dunal | food | medicine |  (Moran-Palacio et al., 2014) |
| Mexico | L. berlandieri var. parviflorum (A. Gray) A. Terracc. | food | medicine |  (Hodgson, 2001) |
| Mexico | L. brevipes Benth. |   |   |  (Peinado et al., 2005) |
| Mexico | L. californicum A. Gray |   |   |  (Levin et al., 2009) |
| Mexico | L. carinatum S. Watson |   |   |  (Yao et al., 2018) |
| Mexico | L. carolinianum Walter (Moc. & Sessé ex Dunal) C.L.Hitchc | food |   |  (Levin et al., 2009) |
| Mexico | L. cooperi A. Gray |   |   |  (Miller, 2002) |
| Mexico | L. densifolium Wiggins |   |   | (Yao et al., 2018) |
| Mexico | L. dispermum Wiggins |   |   |  (Fernando, 1982) |
| Mexico | L. exsertum A. Gray | food |   |  (Miller, 2002) |
| Mexico | L. fremontii A. Gray | food |   |  (Levin et al., 2009) |
| Mexico | L. isthmense F. Chiang |   |   |   (Yao et al., 2018) |
| Mexico | L. leiostemum Wedd. |   |   |   (Yao et al., 2018) |
| Mexico | L. macrodon A. Gray |   |   |   (Yao et al., 2018) |
| Mexico | L. megacarpum Wiggins |   |   |   (Yao et al., 2018) |
| Mexico | L. nodosum Miers |   |   |   (Yao et al., 2018) |
| Mexico | L. pallidum Miers | food | medicine |   (Yao et al., 2018) |
| Mexico | L. parishii A. Gray | food |   |  (Savage and Miller, 2006) |
| Mexico | L. parishii var. modestum (I.M. Johnst.)F. Chiang |   |   |   (Yao et al., 2018) |
| Mexico | L. puberulum A. Gray |   |   |   (Yao et al., 2018) |
| Mexico | L. pubitubum C.L.Hitchc. |   |   |   (Yao et al., 2018) |
| Mexico | L. richii A. Gray | food |   | (Hodgson, 2001) |
| Mexico | L. ruthenicum Murray | food | medicine |   (Yao et al., 2018) |
| Mexico | L. shockleyi A. Gray |   |   |   (Yao et al., 2018) |
| Mexico | L. texanum Correll |   |   |  (Yao et al., 2018) |
| Mexico | L. torreyi A. Gray | food | medicine |   (Miller, 2002) |
| Morocco | L. ferocissimum Miers | food | medicine |  (Noble et al., 2021) |
| Morocco | L. intricatum Boiss |   | medicine |  (Midhat et al., 2019) |
| Morocco | L. schweinfurthii Dammer |   | medicine |  (Mahklouf, 2020) |
| Mozambique | L. mascarenense A.M. Venter & A.J. Scott |   |   |   (Yao et al., 2018) |
| Mozambique | L. schizocalyx C.H. Wright |   |   |   (Yao et al., 2018) |
| Namibia | L. amoenum Dammer |   |   |  (Yao et al., 2018) |
| Namibia | L. bosciifolium Schinz | food |   | (Ndithia and Perrin, 2006) |
| Namibia | L. cinereum Thunb. | food | medicine |   (Yao et al., 2018) |
| Namibia | L. decumbens Welw. ex Hiern |   |   |  (Levin et al., 2006) |
| Namibia | L. eenii S. Moore |   |   | (Yao et al., 2018) |
| Namibia | L. ferocissimum Miers | food | medicine |  (Yao et al., 2018) |
| Namibia | L. gariepense A.M.Venter |   |   |   (Yao et al., 2018) |
| Namibia | L. grandicalyx Joubert & Venter |   |   |   (Yao et al., 2018) |
| Namibia | L. hirsutum Dunal |   |   |   (Yao et al., 2018) |
| Namibia | L. horridum Thunb. |   |   |   (Yao et al., 2018) |
| Namibia | L. oxycarpum Dunal |   | medicine |  (Mennicken et al., 2005) |
| Namibia | L. pilifolium C.H. Wright |   |   |   (Joubert et al., 1984) |
| Namibia | L. prunus-spinosa Dunal |   | medicine |   (Joubert and Venter, 1989) |
| Namibia | L. pumilum Dammer |   |   |   (Yao et al., 2018) |
| Namibia | L. schizocalyx C.H. Wright |   |   |   (Joubert and Venter, 1989) |
| Namibia | L. tetrandrum Thunb. | food |   |   (Watt and Breyer-Brandwijk, 1986) |
| Namibia | L. villosum Schinz |   |   |  (Minne et al., 1994) |
| Netherlands | L. afrum L. | food | medicine | (Dhar et al., 2011; Yao et al., 2018) |
| New Zealand | L. ferocissimum Miers | food | medicine |  (Ireland et al., 2019) |
| Norfolk Island | L. ferocissimum Miers | food | medicine |  (Noble et al., 2021) |
| North America | L. barbarum L. | food | medicine |  (Kocyigit and Sanlier, 2017) |
| North America | L. chinense Mill. | food | medicine |  (Yao et al., 2018) |
| Ogasawara Islands | L. sandwicense A. Gray | food |   |   (Fukuda et al., 2001) |
| North Korea | L. chinense Mill. | Food | Medicine | (Editorial Committee of Chinese Flora, 1978) |
| Oman | L. shawii Roem. & Schult. | food | medicine |   (Yao et al., 2018) |
| Pakistan | L. depressum Stocks |   | medicine |  (Yao et al., 2018) |
| Pakistan | L. edgeworthii Miers |   |   | (Yao et al., 2018) |
| Pakistan | L. makranicum Schonebeck-Temesy |   |   |   (Yao et al., 2018) |
| Pakistan | L. ruthenicum Murray | food | medicine |  (Editorial Committee of Chinese Flora, Chinese Academy of Sciences, 1978) |
| Palestinian | L. depressum Stocks |   | medicine |  (Yao et al., 2018) |
| Palestinian Territory | L. europaeum L. | food | medicine |  (Yao et al., 2018) |
| Palestinian Territory | L. shawii Roem. & Schult. | food | medicine |   (Yao et al., 2018) |
| Paraguay | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Paraguay | L. chilense Bertero |   | medicine |  (Yao et al., 2018) |
| Paraguay | L. cuneatum Dammer |   |   |  (Yao et al., 2018) |
| Paraguay | L. glomeratum Sendtn. |   |   |   (Yao et al., 2018) |
| Paraguay | L. infaustum Miers |   |   |   (Yao et al., 2018) |
| Paraguay | L. morongii Britton |   |   |   (Yao et al., 2018) |
| Paraguay | L. nodosum Miers |   |   |   (Yao et al., 2018) |
| Paraguay | L. tenuispinosum S.B. Jones & W.Z. Faust |   |   |   (Yao et al., 2018) |
| Paraguay | L. tweedianum Griseb. | food |   | (Roth and Lindorf, 2013) |
| Peru | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Peru | L. distichum Meyen |   |   |  (Montesinos-Tubée, 2016) |
| Peru | L. divaricatum Rusby |   |   | (Yao et al., 2018) |
| Peru | L. infaustum Miers |   |   |   (Yao et al., 2018) |
| Peru | L. leiostemum Wedd. |   |   |   (Yao et al., 2018) |
| Peru | L. nodosum Miers |   |   |    (Yao et al., 2018) |
| Peru | L. stenophyllum J. Rémy |   |   |   (Yao et al., 2018) |
| Portugal | L. europaeum L. | food | medicine |  (Dahmani et al., 2020) |
| Portugal | L. infaustum Miers |   |   |   (Yao et al., 2018) |
| Portugal | L. intricatum Boiss |   | medicine |  (Lombardo et al., 2020) |
| Portugal | L. schweinfurthii Dammer |   | medicine |   (Yao et al., 2018) |
| Reunion | L. mascarenense A.M. Venter & A.J. Scott |   |   |   (Yao et al., 2018) |
| Russia | L. depressum Stocks |   | medicine | (Yao et al., 2018) |
| Russian | L. ruthenicum Murray | food | medicine | (Editorial Committee of Chinese Flora, Chinese Academy of Sciences, 1978) |
| Saudi Arabia | L. intricatum Boiss |   | medicine |   (Yao et al., 2018) |
| Saudi Arabia | L. shawii Roem. & Schult. | food | medicine |   (Ghazanfar, 1994) |
| South Africa | L. acutifolium E. Mey. ex Dunal | food | medicine |  (Joubert et al., 1984; Dhar et al., 2011) |
| South Africa | L. afrum L. | food | medicine | (Dhar et al., 2011; Yao et al., 2018) |
| South Africa | L. amoenum Dammer |   |   |  (Yao et al., 2018) |
| South Africa | L. arenicolum Miers |   |   |  (Yao et al., 2018) |
| South Africa | L. bosciifolium Schinz | food |   | (Ndithia and Perrin, 2006) |
| South Africa | L. cinereum Thunb. | food | medicine |  (Rubin and Palmer, 1996) |
| South Africa | L. decumbens Welw. ex Hiern |   |   |  (Levin et al., 2006) |
| South Africa | L. ferocissimum Miers | food | medicine |  (McCulloch et al., 2020) |
| South Africa | L. gariepense A.M.Venter |   |   |   (Yao et al., 2018) |
| South Africa | L. grandicalyx Joubert & Venter |   |   |   (Yao et al., 2018) |
| South Africa | L. hantamense A.M.Venter |   |   |   (Yao et al., 2018) |
| South Africa | L. hirsutum Dunal |   |   |   (Yao et al., 2018) |
| South Africa | L. horridum Thunb. |   |   |   (Yao et al., 2018) |
| South Africa | L. mascarenense A.M. Venter & A.J. Scott |   |   |   (Yao et al., 2018) |
| South Africa | L. oxycarpum Dunal |   | medicine |  (Mennicken et al., 2005) |
| South Africa | L. pilifolium C.H. Wright |   |   |  (Joubert et al., 1984) |
| South Africa | L. prunus-spinosa Dunal |   | medicine |  (Joubert and Venter, 1989) |
| South Africa | L. pumilum Dammer |   |   |   (Yao et al., 2018) |
| South Africa | L. schizocalyx C.H. Wright |   |   |   (Joubert et al., 1984) |
| South Africa | L. shawii Roem. & Schult. | food | medicine |   (Yao et al., 2018) |
| South Africa | L. strandveldense A.M. Venter |   |   |   (Yao et al., 2018) |
| South Africa | L. tetrandrum Thunb. | food |   |   (Watt and Breyer-Brandwijk, 1986) |
| South Africa | L. villosum Schinz |   |   |  (Minne et al., 1994) |
| South America | L. barbarum L. | food | medicine |   (Yao et al., 2018) |
| Spain | L. europaeum L. | food | medicine |  (Yang et al., 2015) |
| South Korea | Lycium chinense Mill | food | medicine | (Editorial Committee of Chinese Flora, 1978) |
| Spain | L. ferocissimum Miers | food | medicine |  (Latorre et al., 2006) |
| Spain | L. intricatum Boiss |   | medicine |  (Carrión, 2002) |
| Spain | L. schweinfurthii Dammer |   | medicine |   (Yao et al., 2018) |
| Sweden | L. afrum L. | food | medicine | (Dhar et al., 2011; Yao et al., 2018) |
| Switzerland | L. chilense Bertero |   | medicine |  (Yao et al., 2018) |
| Territory | L. depressum Stocks |   | medicine |  (Yao et al., 2018) |
| Tuks | L. tweedianum Griseb. | food |   | (Roth and Lindorf, 2013) |
| Tunisia | L. afrum L. | food | medicine | (Dhar et al., 2011; Yao et al., 2018) |
| Tunisia | L. europaeum L. | food | medicine |  (Tej et al., 2018) |
| Tunisia | L. ferocissimum Miers | food | medicine |  (Yao et al., 2018) |
| Tunisia | L. intricatum Boiss |   | medicine |  (Abdennacer et al., 2015) |
| Tunisia | L. schweinfurthii Dammer |   | medicine |   (Mamdouh et al., 2021) |
| Turkey | L. anatolicum A.Baytop & R.R.Mill |   |   |  (Yao et al., 2018) |
| Turkey | L. depressum Stocks |   | medicine |  (Yao et al., 2018) |
| Turkey | L. horridum Thunb. |   |   |   (Yao et al., 2018) |
| Turkmenistan | L. depressum Stocks |   | medicine | (Yao et al., 2018) |
| Turkmenistan | L. ruthenicum Murray | food | medicine |   (Yao et al., 2018) |
| Turks | L. infaustum Miers |   |   |   (Yao et al., 2018) |
| UK | L. cestroides Schltdl. |   | medicine |  (Rondina et al., 2008) |
| UK | L. chilense Bertero |   | medicine |  (Yao et al., 2018) |
| United States | L. arenicolum Miers |   |   |  (Yao et al., 2018) |
| Uruguay | L. cestroides Schltdl. |   | medicine |  (Rondina et al., 2008) |
| Uruguay | L. vimineum Miers |   |   |   (Yao et al., 2018) |
| US | L. andersonii A. Gray | food |   |  (Saunders, 1920) |
| US | L. andersonii var. deserticola (C.L.Hitchc.) Jeps. |   |   | (Hodgson, 2001) |
| US | L. berberioides Correll |   |   |  (Yao et al., 2018) |
| US | L. berlandieri Dunal | food | medicine |  (Newton, 2012) |
| US | L. berlandieri var. parviflorum (A. Gray) A. Terracc. | food | medicine |  (Hodgson, 2001) |
| US | L. brevipes Benth. |   |   |  (Björk et al., 2007) |
| US | L. californicum A. Gray |   |   |  (Levin et al., 2009) |
| US | L. cooperi A. Gray |   |   |   (Miller, 2002) |
| US | L. exsertum A. Gray | food |   |  (Miller, 2002) |
| US | L. ferocissimum Miers | food | medicine |  (Weretilnyk et al., 1989) |
| US | L. fremontii A. Gray | food |   |  (Levin et al., 2009) |
| US | L. hassei Greene |   |   |   (Yao et al., 2018) |
| US | L. macrodon A. Gray |   |   |   (Yao et al., 2018) |
| US | L. oxycarpum Dunal |   | medicine |    (Yao et al., 2018) |
| US | L. pallidum Miers | food | medicine | (Strojan et al., 1979) |
| US | L. parishii A. Gray | food |   |   (Savage and Miller, 2006) |
| US | L. puberulum A. Gray |   |   |   (Yao et al., 2018) |
| US | L. pubitubum C.L.Hitchc. |   |   |   (Yao et al., 2018) |
| US | L. repens Speg |   |   |   (Yao et al., 2018) |
| US | L. richii A. Gray | food |   |  (Hodgson, 2001) |
| US | L. shockleyi A. Gray |   |   |   (Yao et al., 2018) |
| US | L. texanum Correll |   |   |  (Yao et al., 2018) |
| US | L. torreyi A. Gray | food | medicine |   (Miller, 2002) |
| US | L. verrucosum Eastw. |   |   |   (Rejmánek, 2018) |
| US, | L. carolinianum Walter (Moc. & Sessé ex Dunal) C.L.Hitchc | food |   |  (Levin et al., 2009) |
| Venezuela | L. americanum Jacq. | food |   |  (ARENAS and SCARPA, 2007) |
| Venezuela | L. nodosum Miers |   |   |   (Yao et al., 2018) |
| Virgin Island | L. tweedianum Griseb. | food |   | (Roth and Lindorf, 2013) |
| West Indies | L. carolinianum Walter (Moc. & Sessé ex Dunal) C.L.Hitchc | food |   |  (CHIANG-CABRERA, 1981) |
| Yemen | L. shawii Roem. & Schult. | food | medicine |   (Yao et al., 2018) |
| Zimbabwe | L. bosciifolium Schinz | food |   |  (Ndithia and Perrin, 2006) |

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