

Mechthild Neitzke

Naturkapital

artenreiches Grünland

Grünlandökosysteme als Quelle von bioaktiven Stoffen

LITERATUR (GESAMTLISTE)

- Ahmad, S., Radotra, S., Singh, J.P., Verma, D.K. & S.M. Sultan (2017): Ethnoveterinary uses of some important plants by pastoralists in Kashmir Himalaya. *SKUAST J. Res.* 19: 121–128.
- Akdemir, Z.S., Tatlı, I.I., Saracoğlu, I., Ismailoğlu, U.B., Sahin-Erdemli, I. & I. Calış (2001): Polyphenolic compounds from *Geranium pratense* and their free radical scavenging activities. *Phytochemistry* 56: 189–193.
- Akerreta, S., Calvo M.I. & R.Y. Cavero (2010): Ethnoveterinary knowledge in Navarra (Iberian Peninsula). *J. Ethnopharmacol.* 130: 369–378.
- Akther, N., Andrabí, K., Nissar, A., Ganaie, S., Chandan, B.K., Gupta, A.P., Khuswant, M., Sultana, S. & A.S. Shawl (2014): Hepaprotective activity of LC-ESI-MS standardized *Iris spuria* rhizome extract and its main bioactive constituents. *Phytomedicine* 15: 1202–1207.
- Alamgeer, M.S., Akther, M.S., Jabeen, Q., Bashir, S., Malik, M.N.H., Khan, H.U., Rahman, M.S.U., Salma, U., Mazhar, U., Khan, A.Qa. & M. Islam (2013): Antihypertensive and toxicity studies of aqueous methanolic extract of *Mentha longifolia* L. *J. Anim. Plant Sci.* 23: 1622–1627.
- Ali, I., Hussain, H., Batool, H., Dad, A., Raza, G., Falodun, A., Ullah, R., Ahmad, V.U. & A. Al-Harrasi (2017): Documentation of ethnoveterinary practices in the CKNP region, Gilgit-Baltistan. I. *J. Phytomedicine* 9: 223–240.
- Avato, P. & A. Tava, A. (1995): Acetylenes and terpenoids of *Bellis perennis*. *Phytochemistry* 40: 141–142.
- Bano, A., Ahmad, M., Zafar, M., Sultana, S., Rashid, S. & M.A. Khan (2014): Ethnomedicinal knowledge of the most commonly used plants from Deosai Plateau, Western Himalayas, Gilgit Baltistan, Pakistan. *J. Ethnopharmacol.* 155: 1046–1052.
- Benelli, G., Pavela, R., Petrelli, R., Kumgang Nzekoue, F., Cappellacci, L., Lupidi, G., Quassinti, L., Bramucci, M., Sut, S., DalliAcqua, S., Canule, A. & F. Maggi (2019): Carlina oxide from *Carlina acaulis* root essential oil acts as a potent mosquito larvicide. *Ind. Crops Prod.* 137: 356–368.
- Bharati, K.A. & B.L. Sharma (2012): Plants used as ethnoveterinaty medicines in Sikkim Himalayas. *Ethnobot. Res. & Appl.*, 10: 339–356.
- Brekhna Gul, Zahoor ul Haq, Syed Mukaram Shah, Shujaul Mulk Khan, Aziz Ur Rahman, Javed Iqbal, Fazal Hadi, Abdullah Abdullah, Sana Rasheed & Bashir Uddin (2019): Ethnoveterinary practices used in the treatment of different ailments in the district of Swabi, Khyber Pakhtunkhwa, Pakistan. *Global Veterinary* 21: 82–92.
- Borsodi Szokol, L., Sedláč, É., Boldizár, I., Paku, S., Preininger, É. & I. Gyurján (2010): Determination of dibenzylbutyrolactone-type lignans in *Centaurea* species and analysis of arctigenin's anticancer effect. *Planta Med.* 76: 568.
- Breschi, M.C., Martinotti, E., Catalano, S., Flamini, G., Morelli, I. & A.M. Pagni (1992): Vasoconstrictor activity of 8-O-acetylharpagide from *Ajuga reptans*. *J. Nat. Prod.* 55: 1145–1148.
- Burkart, M., Dierschke, H., Hözel, N., Nowak, B. & T. Fartmann (2004): Synopsis der Pflanzengesellschaften Deutschlands. Heft 9, *Molinio-Arrhenatheretea* (E1), Kulturlandschaft und verwandte Vegetationstypen, Teil 2: *Molinietalia*, Futter- und Streuwiesen feucht-nasser Standorte und Klassenübersicht *Molinio-Arrhenatheretea*. Göttingen, 103 S.
- Capelletti, E.M. (1985): Antifungal, parasiticide, insecticide and anthelmintic herbal remedies in the traditional medicine of north-eastern Italy. *Curare*, 3: 39–47.
- Carrió, E., Rigat, M., Garantje, T., Mayans, M., Parada, M. & J. Vallés (2012): Plant Ethnoveterinary practices in two Pyrenean territories of Catalonia (Iberian Peninsula) and in two areas of the Balearic islands and comparison with ethnobotanical uses in human medicine. *Evid.-Based Complementary Altern. Med.* 2012: Artikel ID 896295.
- Davidović, V., Joksimović-Todorović, M., Maksimović, Z., Hristov, S., Stanković, B. & R. Relić (2011): A review of plants used in ethnoveterinarian medicine. *Maced. J. Anim. Sci.* 1: 377–382.
- Dilshad, S.M.R., Rehman, N.N., Ahmand, N. & A. Iqbal (2010): Dokumentation of ethnoveterinary practices for mastitis in dairy animals in Pakistan. *Pak. Vet. J.* 30: 167–171.
- Dudi, A. & M.L. Meena (2015): Ethnoveterinary medicines used by goat keepers in Marwar region of Rajasthan, India. *Indian J. Tradit. Know.*, 14: 454–460.
- Ebert, G. & E. Rennwald (Hrsg.) (1993): Die Schmetterlinge Baden-Württembergs. Band 1: Tagfalter. Ulmer, Stuttgart, 552 S.
- EEA [Europäische Umweltagentur] (2013): European Butterfly Grasland Indicator: 1990–2011.
- Fang, X., Chang, R.C., Yuen, W.H. & S.Y. Zee (2005): Immune modulatory effects of *Prunella vulgaris* L. *Int. J. Mol. Med.* 15: 491–496.
- Farinha, N., Póvoa, O. & R. Santos (2012): Ethnoveterinary applied to Equidae in the Alentejo, South Portugal. In: Saatstamoinen, M., Fradinho, M.J., Santos, A.S. & N. Miraglia (Eds.): *Forages and grazing in horse nutrition*. 2nd ed., EAAP 132, 401–411.
- Feng, C., Ding, S., Zhang, T., Li, Z., Wang, D., Wang, C., Liu, C., Sun, J. & F. Peng (2016): High plant diversity stimulates foraging motivation in grazing herbivores. *Basic Appl. Ecol.* 17: 43–51.
- Ferreira, A., Proença, C., Serralheiro, M. L. & M.E. Araújo (2006): The in vitro screening for acetylcholinesterase inhibition and antioxidant activity of medicinal plants from Portugal. *J. Ethnopharmacol.* 108: 31–37.
- Forgo, P., Zupkó, I., Molnár, J., Vasas, A., Dombi, G. & J. Hohmann (2012): Bioactivity-guided isolation of antiproliferative compounds from *Centaurea jacea* L. *Fitoterapia* 83: 921–925.
- French, K. (2017): Species composition determines forage quality and medicinal value of high diversity grasslands in lowland England. *Agr. Ecosyst. Environ.* 241: 193–204.
- Gescher, K., Hensel, A., Hafezi, W., Derksen, A. & J. Kühn (2011): Oligomeric proanthocyanidins from *Rumex acetosa* L. inhibit the attachment of herpes simplex virus type-1. *Antiviral Res.* 89: 9–18.
- Gholamhoseinian, A., Fallah, H., Sharifi-Far, F. & M. Mirtajaddini (2008): The inhibitory effect of some Iranian plants extracts on the alpha glucosidase. *Iran. J. Basic Med. Sci.* 11: 1–9.
- González, J.A., Garicía-Barreuso, M. & F. Amich, F. (2011): Ethnoveterinary medicine in the Arribes del Duero, western Spain. *Vet. Res. Commun.* 35: 283–310.
- Harbilas, D., Martineau, C.C., Harris, C.S., Adeyiwola-Spoor, D.C.A., Saaleem, A., Johns, T., Cuverrier, A., Arnason, J.T., Bennett, S.A.L. & P.S. Haddad (2008): Screening for antidiabetic activity of medicinal plant extracts from the Canadian Boreal Forest. *Planta Medica* 74: 197.
- Hardy, K. (2019): Paleomedicine and the use of plant secondary compounds in the Paleolithic and Early Neolithic. *Evol. Anthropol.* 28: 60–71.
- Heidt, H., Stoll, E., Moes, G., Dahlem, R. & S. Zimmer (2017): Einfluss von Wirtschaftsweise und Betriebstyp auf die Artenvielfalt im Grünland. In: Wolfrum, S., Heuwinkel, H., Reents, H.J., Wiesinger, K. & K.-J. Hülsbergen (Hrsg.): 60. Jahrestagung der AGGF 2016 in Luxemburg: 105–108.
- Heinrich, M. & H.L. Teoh (2004): Galanthamine from Snowdrop – the development of a modern drug against Alzheimer's disease from local

- Caucasian knowledge. *J. Ethnopharmacol.* 92: 147–162.
- Higginbotham, S., Wong, W.R., Linington, R.G., Spadaforce, C., Iturrado, L. & A.E Arnold (2014):** Sloth hair as a novel source of fungi with potent anti-parasitic, anti-cancer and anti-bacterial bioactivity. *PLoS ONE* 9(1): e84549.doi:10.1371/journal.pone.0084549.
- Jäger, E.J. (Hrsg.) (2011):** Rothmaler Exkursionsflora von Deutschland. Gefäßpflanzen: Grundband. Spektrum Akademischer Verlag, Heidelberg, 930 S.
- Janicsák, G., Zupkó, I., Niklova, M.T., forgo, P., Vasas, A., Mathé, I., BlunDen, G. & J. Hohmann (2011):** Bioactivity-guided study of antiproliferative activities of *Salvia* extracts. *Nat. Prod. Commun.* 6: 575–579.
- Jiin, W.H., Hidayat, E.M. & K. Lukman (2014):** Gastroprotective effect of carrot (*Daucus carota L.*) juice in rat models. *Althea Med.* J., 1: 35–39.
- Karydi, E., Kudahl, A.B. & M. Vaarst (2015):** SOLID participatory research from Denmark: Use of herbs in pastures for dairy cows: Farmers' experience, pasture coverage analyses, and literature survey of Danish research results. Aarhus University, Research Centre Foulum, POBox 50, DK-8830 Tjele in collaboration with Thise Dairy Company. 24 S.
- Katerere, D.R. & D. Luseba (eds.) (2010):** Ethnoveterinary Botanical Medicines: Herbal Medicines for Animal Health. CRC press, 450 S.
- Kaurinovic, B., Popovic, M., Vlaisavljevic, S., Schwartzova, H. & M. Vojinovic-Miloradov (2012):** Antioxidant profile of *Trifolium pratense* L. *Molecules* 17: 11156–11172.
- Kenny, O., Smyth, T.J., Walsh, D., Kelleher, C.T., Hewage, C.M. & N.P. Brunton (2014):** Investigating the potential of under-utilised plants from the Asteraceae family as a source of natural antimicrobial and antioxidant extracts. *Food. Chem.* 161: 79–86.
- Khan, K., Ur Rahman, I., Soares Calixto, E., Ali, N. & F. Ijaz (2019):** Ethnoveterinary therapeutic practice and conservation status of the medicinal flora of Charnla Valley, Khyber Pakhtunkhwa, Pakistan. *Front. Vet. Sci.* 6: 1–10.
- Könekamp, A.H. (1959):** Der Grünlandbetrieb. Gegenworts- und Zukunftsfragen für den Praktiker. Tierzucht-Bücherei, Hrsg.: Zorn, W., Eugen Ulmer, Stuttgart 274 S.
- Kováts, N., Gölöncsér, F., Ács, A. & M. Refaey (2010):** Quantification of the antibacterial properties of *Artemisa absinthium*, *A. vulgaris*, *Chrysanthemum leucanthemum* and *Achillea millefolium* using the Vibrio fisheri bacterial bioassay. *Acta Botanica Hungarica* 51: 137–144.
- Küpelı Akkol, E., Bahadir Acikara O., Süntar, I., Ergene, B. & G. Saltan Çitoğlu (2012):** Ethnopharmacological evaluation of some *Scorzonera* species: in vitro anti-inflammatory and antinociceptive effects. *J. Ethnopharmacol.* 140: 261–270.
- Kulkarni Chitrarekha Girish, Lohar Bhagwan Namdeo, Jadhav Shital Tanaji & Salunkhe Satyajeet Sunil (2014):** Evaluation of anthelmintic activity of Indian herbs. *Int. J. Pharm.* 4: 357–362.
- Kumar, G. & H. Chandler (2018):** Indigenous ethno-medicinal and ethno-veterinary practices in Shivalik hills zone of Himachal Pradesh. India. *Asian J. Adv. Basic. Sci.* 6: 1–14.
- Lans, C., Turner, N., Brauer, G., Lourenco, G. & K. Georges (2006):** Ethnoveterinary medicines used for horses in Trinidad and in Britisch Columbia, Canada. *J. Ethnobiol. Ethnomed.* 2, 31: 1–20.
- Lans, C., Turner, N., Khan, T. & G. Brauer (2007):** Ethnoveterinary medicines used to treat endoparasites and stomach problems in pigs and pets in British Columbian, Canada. *Vet. Parasitol.* 148: 325–340.
- Lans, C., Turner, N., Khan, T., Brauer, G. & W. Boepple (2007):** Ethnoveterinary medicines used for ruminants in Britisch Columbia, Canada. *J. Ethnobiol. Ethnomed.* 3: 11.
- Lans, C. (2016):** Possible similarities between the folk medicine historically used by First Nations and American Indians in North America and the ethnoveterinary knowledge currently used in British Columbia, Canada. *J. Ethnopharmacol.* 192: 53–66.
- Lee, S.A., Moon, S.M., Han, S.H., Hwang, E.J., Hong, J.H., Park, B.R., Choi, M.S., Ahn, H., Kim, J.S., Kim, H.J., Chun, H.S., Kim, D.K. & C.S. Kim (2018):** In vivo and in vitro anti-inflammatory effects of aqueous extract of *Anthriscus sylvestris* leaves. *J. Med. Food.* 21: 585–595.
- Magharri, E., Razavi, S.M., Ghorbani, E., Nahar, L. & S.D. Sarker (2015):** Chemical composition, some allelopathic aspects, free-radical scavenging property and antifungal activity of the volatile oil of the flowering tops of *Leucanthemum vulgare* Lam. *Rec. Nat. Prod.* 9: 538–545.
- Malik, A.Y. & D.P. Singh (2019):** Ethnobotanical and ethnoveterinary importance of scrub areas of Dachigam National Park, Jammu and Kashmir, India. *Asian J. Pharm.Clin. Res.* 12: 582–586.
- Malve, H. (2016):** Exploring the ocean for new drug developments: Marine pharmacology. *J. Pharm Bioallied, Sci.* 8: 83–91.
- Mayer, F., Kuhn, G. & S. Heinz (2017):** Das Grünland des Ökologischen Landbaus in Bayern – Ergebnisse aus dem Grünlandmonitoring Bayern. In: Wolfrum, S., Heuwinkel, H., Reents, H.J., Wiesinger, K. & K.-J. Hülsberbergen (Hrsg.): Beiträge zur 14. Wissenschaftstagung Ökologische Landwirtschaft: Tagungsband WITA 2017: 218–221.
- Mayer, M., Vogl, C.R., Amorena, M., Hambruger, M. & M. Walkenhorst (2014):** Treatment of organic livestock with medicinal plants. A systematic review of european ethnoveterinary research. *Forsch. Komplementmed.* 21: 375–386.
- Mihailović, V., Mihailović, M., Uskolović, A., Arambašić, J., Mladenović, M., Mišić, D., Stanović, V., Katanić, J., Solujić, S. & S. Matić (2013):** Hepatoprotective effects of *Gentiana asclepiadea* L. extracts against carbon tetrachloride induced liver injury in rats. *Food Chem. Toxicol.* 52: 83–90.
- Milosević, T., Argyropoulou, C., Solujić, S., Murat-Spahić, D. & H. Skaltsa (2010):** Chemical composition and antimicrobial activity of essential oils from *Centaurea pannonica* and *C. jacea*. *Nat. Prod. Commun.* 5: 1663–1668.
- Mohammed, M.S., Osman, W.J.A., Garelnabi, E.A.E., Osman, Z., Osman, B., Khalid, H.S. & M.A. Mohamed (2014):** Secondary metabolites as anti-inflammatory agents. *The Journal of Phytomedicine* 3: 275–285.
- Mohany, I., Senapati, M.R., Jena, D. & P.C. Behera (2014):** Ethnoveterinary importance of herbal galactogogues – a review. *Vet. World* 7: 325–330.
- Mlinaric, A., Kreft, S., Umek, A. & B. Strukelj (2000):** Screening of selected plant extracts for in vitro inhibitory activity on HIV-1 reverse transcriptase (HIV-1RT). *Pharmazie* 55: 75–77.
- Moradi, M.T., Karimi, A., Alidadi, S. & L. Hashemi (2018):** In vitro anti-herpes simplex virus activity, antioxidant potential and total phenolic compounds of selected iranian medicinal plant extracts. *Indian J. Traditional Knowledge* 17: 255–262.
- Mushtag, S., Rather, M.A., Qazi, P.H., Aga, M.A., Stak, A.M., Stak, A. & M.N. Ali (2016):** Isolation and characterization of three benzylisoquinoline alkaloids from *Thalictrum minus* L. and their antibacterial activity against bovine mastitis. *J. Ethnopharmacol.* 193: 221–226.
- Neitzke, A. (2008):** Artenvielfalt des Wirtschaftsgrünlandes in Nordrhein-Westfalen. In: Schumacher, W. & J. Busenkell (Hrsg.): Expertenworkshop „Biodiversität der Grünlandökosysteme Mitteleuropas“ – Kurzfassung der Vorträge. Universität Bonn. 35–36.
- Neitzke, A., Röös, M. & E. Falkenberg (2011):** Vom Fichtenwald zur Bärwurzwiese. *Natur in NRW*, 2/2011: 28–30.
- Neitzke, M. (2015):** Heilpflanzendiversität in den Ackerökosystemen Nordrhein-Westfalens. *Natur in NRW* 4/2015: 32–36.
- Neitzke, M. (2018):** Heilpflanzendiversität an Saum- und Ruderalstandorten. *Natur in NRW* 3/2018: 21–26.
- Nikitina, V.S., Kuz'mina, Z.Y., Melent'ev, A.T. & G.V. Shendel' (2007):** Antibacterial activity of polyphenolic compounds isolated from plants of Geraniaceae and Rosaceae. *Appl. Biochem. Microbiol.* 43: 629–634.
- Nikolova, M., Valyovska-Popova, N., Dimitrova, M. & D. Peev (2014):** High-mountain Bulgarian plants – free radical scavenging activity and flavonoid composition. *J BioSci. Biotech.* 2014: 29–33.
- Nolkemper, S., Reichling, J., Stintzing, F.C., Carle, R. & P. Schnitzler (2006):** Antiviral effect of aqueous extracts from species of the Lamiales family against Herpes simplex virus type 1 and type 2 in vitro. *Planta Med.* 72: 1378–1382.
- Núñez-Montero, K. & L. Barrientos (2018):** Advances in antarctic research for antimicrobial discovery: a comprehensive narrative review of bacteria from antarctic environments as potential sources of novel antibiotic compounds against human pathogens and microorganisms of industrial importance. *Antibiotics* 7: 1–23.
- Oberdorfer, E. (Hrsg.) (1983):** Süddeutsche Pflanzengeellschaften, Teil III. Wirtschaftswiesen und Unkrautgesellschaften. Stuttgart; New York; Fischer, 2.Aufl.

- Orbán-Gyapai, O., Lajter, I., Hohmann, J., Jakab, G. & A. Vasas (2015):** Xanthine oxidase inhibitory activity of extracts prepared from *Polygonaceae* species. *Phytother. Res.* 29: 459–465.
- Orhan, I., Deliorman-Orhan, D. & B. Özçelik (2009):** Antiviral activity and cytotoxicity of the lipophilic extracts of various edible plants and their fatty acids. *Food Chem.* 115: 701–705.
- Ostermaier, M., Müller, A., Stöckli, S. & L. Pfiffner (2017):** Landwirtschaftliche Fläche als Lebensraum für Wildbienen. *Umwelt und Nachhaltigkeit – Natur- und Gewässerschutz:* 796–797.
- Pande, P.C., Tiwari, L. & H.C. Pande (2007):** Ethnoveterinary plants of Uttarakhand – A review. *Indian J. Tradit. Know.*, 6: 444–458.
- Panizzi, L., Catalano, S., Miarelli, C., Cioni, P.L. & E. Campeol (2000):** In vitro antimicrobial activity of extracts and isolated constituents of *Geum rivale*. *Phytother. Res.* 14: 561–563.
- Papp, N., Tóth, M., Dénes, T., Gyergyćik, K., Filep, R., Bartha, S.G., Csepregi, R., Balázs, V.L. & Á. Farkas (2017):** Ethnomedicinal treatment of gastrointestinal disorders in Transylvania, Romania. *Acta Ethnographica Hungarica* 62: 207–220.
- Pastor-Cavada, E., Juan, R., Pastor, J. E., Alaiz, M. & J. Vioque (2009):** Antioxidant activity of seed polyphenols in fifteen wild *Lathyrus* species from South Spain. *LWT – Food Sci. Technol.* 42: 705–709.
- Paun, G., Neagu, E., Albu, C., Moroceanu, V. & G.-L. Radu (2016):** Antioxidant activity and inhibitory effect of polyphenolic-rich extract from *Betonica officinalis* and *Impatiens noli-tangere* herbs on key enzyme linked to type 2 diabetes. *J. Taiwan Inst. Chem. Eng.* 60: 1–7.
- Pfiffner, L. (2012):** Biodiversität –Anpassungsfähigkeit dank Vielfalt. *Ökologie & Landbau* 164/4: 18–20
- Pieroni, A., Howard, P., Volpato, G. & P. F. Santoro (2004):** Natural remedies and nutraceuticals used in the ethnoveterinary practice in inland southern Italy. *Vet. Res. Commun.* 28: 55–80.
- Pieroni, A., Giusti, M.E., De Pasquale, L., Lenzarini, C., Censorii, E., González-Tejero, M.R., Sánchez-Rojas, C.P., Ramiro-Gutiérrez, J.M., Skoula, M., Johnson, C., Sarpaki, A., Della, A., Paraskeva-Hadjichambi, D., Hadjichambis, A., Hamomouchi, M., El-Jorki, S., El-Demerdash, M., El-Zagat, M., Al-Shahaby, O., Houmani, Z. & M. Scherazad (2006):** Circum-Mediterranean cultural heritage and medicinal plants uses in traditional animal health care: a field survey in eight selected areas within the Rubia project. *J. Ethnobiol. Ethnomed.* 2, 16. <https://doi.org/10.1186/1746-4269-2-16>.
- Plančić, M., Božin, B., Kadar, N., Rat, M. & B. Srđenović (2014):** Phytochemical profile and biological activity of the genus *Ornithogalum* L. (*Hyacinthaceae*). *Biologia Serbica* 36: 3–17.
- Podolak, I., Koczurkiewicz, P., Michalik, M., Galanty, A., Zajdel, P. & Z. Janeczko (2013):** A new cytotoxic triterpene saponin from *Lysimachia nummularia* L. *Carbohydr. Res.* 375C: 16–20.
- Rangseechaew, P. & W. Pathom-aree (2019):** Cave actinobacteria as producers of bioactive metabolites. *Front. Microbiol.* 22: 1–11.
- Reichling, J., Frater-Schröder, M., Saller, R., Fitzi-Rathgen, J. & R. Gachnian-Mirtscheva (2016):** Heilpflanzenkunde in der Veterinärpraxis. 3. Aufl. Springer-Verlag, 364 S.
- Rochfort, S., Dunshea, F. & T. Parker (2006):** Natural bioactive compounds for livestock health and production – Knowledge and opportunity audit. MLA Project: Past.313.
- Rochfort, S., Parker, A.J. & F.R. Dunshea (2008):** Plant bioactives for ruminant health and productivity. *Phytochemistry* 69: 299–322.
- Saha, M.R., De Sarker, D. & A. Sen (2014):** Ethnoveterinary practices among the tribal community of Malda district of West Bengal. *Indian J. Tradit. Know.* 13: 359–367.
- Seele, B.C. (2017):** Conservation implications of ethnoveterinary knowledge: a mongolian case study. Thesis. Stellenbosch University, Stellenbosch, South Africa. <http://scholar.sun.ac.za//handle/10019.1/101386>.
- Seghal, A.B. & S.K. Sood (2013):** Ethnoveterinary practices for herbal cure of livestock used by rural populace of Hamirpur, (H.P.), India. *IOSR-JAVS*, 3: 7–14.
- Sendi, A., Mulinacci, N., Vincieri, F.F. & H. Wagner (1993):** Anti-inflammatory and immunologically active polysaccharides of *Sedum telephium*. *Phytochemistry* 34: 1357–1362.
- Senejoux, F., Demougeot, C., Cuciureanu, M., Miron, A., Cuciureanu, R., Berthelot, A. & C. Girard-Thernier (2013):** Vasorelaxant effects and mechanisms of action of *Heracleum sphondyleum* L. (*Apiaceae*) in rat thoracic aorta. *J. Ethnopharmacol.* 147: 536–539.
- Shah, A.J., Bhulani, N.N., Khan, S.H., Ur Rehman, N. & A.H. Gilani (2010):** Calcium channel blocking activity of *Mentha longifolia* L. explains its medicinal use in diarrhoea and gut spasm. *Phytother. Res.* 24: 1392–1397.
- Sharma, R. & R. K. Manhas, (2015):** Ethnoveterinary plants for the treatment of camels in the Shiwalik regions of Kathua district of Jammu and Kashmir. India. *J. Ethnopharmacol.* 169: 170–178.
- Shen, S., Qian, J. & J. Ren (2010):** Ethnoveterinary plant remedies used by Nu people in NW Yunnan of China. *J. Ethnobiol. Ethnomed.* 6: 1–10.
- Shoeb, M., MacManus, S.M., Jaspars, M., Trevídu, J., Nahar, L., Kong-Thoo-Lin, P. & S.D. Sarker (2006):** Montamine, a unique dimeric indole alkaloid, from the seeds of *Centaurea montana* (Asteraceae), and its in vitro cytotoxic activity against the CaCo2 colon cancer cells. *Tetrahedron* 62: 11172–11177.
- Shokrzadeh, M., Rahimi, F., Ziar, A. & M.A. Ebrahimzadeh (2018):** Antioxidant and hepatoprotective properties of *Vicia cracca* against carbon tetrachloride induced oxidative stress in mice. *J. Mazandaran Univ. Med. Sci.* 27: 50–65.
- Singh, P., Singh, B.K., Joshi, G.C. & L.M. Tewari (2009):** Veterinary ethno-medicinal plants in Uttrakhand Himalayan region. *Nat. Sci.* 7: 44–52
- Sinmez, Ç.Ç., Aslim, G. & A. Yaşar (2018):** An ethnoveterinary study on plants used in the treatment of dermatological diseases in Central Anatolia, Turkey. *J. Complement. Med. Res.*, 8: 71–84.
- Song, Q.-H., Kobayashi, T., Hong, T. & J.-C. Cyong (2002):** Effects of *Inula britannica* on the production of antibodies and cytokines and on T cell differentiation in C57BL/6 mice immunized by ovalbumin. *Am. J. Chin. Med.* 30: 297–305.
- Suffredini, I.B., Sader, H.S., Gonçalves, A.G., Reis, A.O., Yales, A.C., Varella, A.D. & P.N. Younes (2004):** Screening of antibacterial extracts from plants native to the Brazilian Amazon Rain Forest and Atlantic Forest. *Braz. J. Med. Bol. Res.* 37: 379–384.
- Suszko, A. & B. Obmińska-Mrukowicz (2013):** Influence of polysaccharide fractions isolated from *Caltha palustris* L. on the cellular immune response in collagen-induced arthritis (CIA) in mice. A comparison with methotrexate. *J. Ethnopharmacol.* 145: 109–117.
- Tabassum, N. & F. Ahmad (2011):** Role of natural herbs in the treatment of hypertension. *Pharmacogn. Rev.* 5: 30–40.
- Tariq, A., Mussarat, S., Adnan, M., AbdElsalam, N.M., Ullah, R. & A.L. Khan (2014):** Ethnoveterinary study of medicinal plants in a tribal society of Suleiman Ragne. *Scientific world J.* 2014. Article ID 127525, 10 pages, <https://doi.org/10.1155/2014/127526>.
- Tunón, H., Olavsdotter, C. & L. Bohlin (1995):** Evaluation of anti-inflammatory activity of some Swedish medicinal plants. Inhibition of prostaglandin biosynthesis and PAF-induced exocytosis. *J. Ethnopharmacol.* 48: 61–76.
- Udut, V.V., Vengerovskii, A.I., Suslov, N.I., Shilova, I.V., Kaigorodtsev, A.V., Polomeeva, N.Yu. & A. M. Dygai (2012):** Anxiolytic activity of biologically active compounds from *Filipendula vulgaris*. *Pharm. Chem.* 4: 492–494.
- Varadinova, T.L., Shishkov, S.A., Ivanovska, N.D., Velcheva, M.P., Danghaaghiin, S., Samadangihiin, Z. & Z. Yansanghiin (1996):** Antiviral and immunological activity of a new pavine alkaloid (-)-Thalimonine isolated from *Thalictrum simplex*. *Phytother. Res.* 10: 414–417.
- Verreijken, H. (2010):** Haben Milchkühe Kräutervorlieben? Versuch zur Selbstmedikation von Nutztieren. *Lebendige Erde*. 3: 18.
- Viegi, L., Pieroni, A., Guarnera, P.M. & R. Vangelisti (2003):** A review of plants used in folk veterinary medicine in Italy as basis for a databank. *J. Ethnopharmacol.* 89: 221–244.
- Viegi, L., Bullitta, S. & G. Pilizza (2006):** Traditional veterinary practices in some rural areas of Sardinia (Italy). Proceedings of the IVth International Congress of Ethnobotany (ICEB 2005). 136.
- Viegi, L. & K. Ghedira (2014):** Preliminary study of plants used in ethnoveterinary medicine in Tunisia and Italy. *Afr. J. Tradit. Complement. Altern. Med.* 11: 189–199.
- Vogl, S., Picker, P., Mihaly-Bison, J., Fakhrudin, N., Atanasow, A.G., Heiss, E.H., Wawrosch, C., Reznicek, G., Dirsch, V.M., Saukel, J. & B. Kopp (2013):** Ethnopharmacological in vitro studies on Austria's folk medicine – An unexplored lore in vitro anti-inflammatory activities of 71 Austrian traditional herbal drugs. *J. Ethnopharmacol.* 149: 750–771.

Vogl, C. R., Vogel-Lukasser, B. & M. Walkenhorst (2016): Local knowledge held by farmers in Eastern Tyrol (Austria) about the used plants to maintain and improve animal health and welfare. *J. Ethnobiol. Ethnomed.* 12: 1–17.

Walesiuk, A., Nazaruk, J. & J.J. Braszko (2010): Pro-cognitive effects of *Cirsium rivulare* extracts in rats. *J. Ethnopharmacol.* 129: 261–266.

Waller, P.J., Bernes, G., Thamsborg, S.M., Sukura, A., Richter, S.H., Ingebrigtsen, K. & J. Höglund (2001): Plants as de-worming agents of livestock in the Nordic countries: historical perspective, popular beliefs and prospects for the future. *Acta Vet. Scand.* 42: 31–44.

Waller, P.J. (2006): From discovery to development: Current industry perspectives for the development of novel methods of helminth control in livestock. *Vet. Parasitol.* 139: 1–14.

Wang, Y., Li, G.-Y., Fu, Q., Hao, T.-S., Huang, J.-M. & H.F. Zhai (2014): Two new anxiolytic phenanthrenes found in the medullae of *Juncus effusus*. *Nat. Prod. Commun.* 9: 1177–1178.

Wegiera, M., Smolarz, H.D., Jedruch, M., Korczak, M. & K. Koprón (2012): Cytotoxic effect of some medicinal plants from Asteraceae family on J-4501 leukemic cell line – pilot study. *Acta Pol. Pharm.* 69: 263–268.

Westrich, P. (2018): Die Wildbienen Deutschlands. Eugen Ulmer KG, Stuttgart, 821 S.

Yun, B.R., Yang, H.J., Weon, J.B., Lee, J., Eom, M.R. & C.J. Ma (2016): Neuroprotective properties of compounds extracted from *Dianthus superbus* L. against glutamate-induced cell death in HT22 cells. *Pharmacogn. Mag.* 12: 109–113.