

List of Publications

19.10.2020

2020

- 243 Kreling V, Falcone F, Kehrenberger C, Hensel A (in press) *Campylobacter* sp.: Pathogenicity factors and prevention methods. New molecular targets for innovative antivirulence drugs? Applied Microbiology and Biotechnology.
- 244 Gaspar DP, Lechtenberg M, Hensel A (submitted) Quality Assessment of Bilberry Fruit (*Vaccinium myrtillus*) containing Products and Dietary Supplements.
- 242 Hensel A, Symma N, Haake A, Düfer M. (2020) Parasympathic active phenyl-glycosid-substituted hydroxy-methyl-piperidine and -pyrrolidine alkaloids for medicinal use. European Patent Application EP 20193376.9, 28. 08. 2020.
- 241 Spiegler V, Greiffer L, Jacobtorweihen J, Asase A, Lanvers-Kaminsky C, Hempel G, Agyare C, Hensel A (2020) In vitro screening of plant extracts traditionally used as cancer remedies in Ghana – 15-Hydroxyangustilobine as the active principle in *Alstonia boonei* leaves. Journal of Ethnopharmacology.265, 113359. <http://doi.org/10.1016/j.jep.2020.113359>
- 240 Omwenga EO, Goycoolea FM, Hensel A, Shitandi A (2020) Antimicrobial, cytotoxicity and preliminary phytochemical determination of commonly used medicinal plants to treat oral cavity, urinary tracts and gut infections by inhabitants of Borabu sub-county, Nyamira County, Kenya. Malaysian Journal of Microbiology. 16(4), 312-322. <http://dx.doi.org/10.21161/mjm.200697>
- 239 Symma N, Sendker J, Peterleit F, Hensel A (2020) Multi-step analysis of diol-LC-ESI-HRMS data reveals proanthocyanidin composition of complex plant extracts (PAComics). Journal of Agricultural and Food Chemistry. 68, 8040-8049. doi.org/10.1021/acs.jafc.0c2826
- 238 Hensel A, Lechtenberg M (2020) Nahrungsergänzungsmittel auf Brokkolibasis – wie sieht die Qualitätssituation aus? Zeitschrift für Phytotherapie. 41, 113-122. doi.org/10.1055/a-1126-9287
- 237 Hensel A, Bauer R, Heinrich M, Spiegler V, Kayser O, Hempel G, Kraft K (2020) Challenges at the Time of Covid-19: Opportunities and Innovations in Antivirals from Nature. Planta Medica 86, 659-664. doi.org/10.1055/a-1177-4396
- 236 Scharf B, Schmidt TJ, Rabbani S, Stork C, Dobrindt U, Sendker J, Ernst B, Hensel A (2020) Antiadhesive natural products against uropathogenic *E. coli*: what can we learn from Cranberry extract? Journal of Ethnopharmacology 257, 112889 (11 pages) <https://doi.org/10.1016/j.jep.2020.112889>
- 235 Andreas Hensel A, Spiegler V, Kraft K (2020) Perspective Paper: Pflanzliche Extrakte gegen virale Infektionen des oberen Rachenraumes – gibt es rationalisierbare protektive Möglichkeiten? Zeitschrift für Phytotherapie. 41, 52-54. [doi: 10.1055/a-1102-1662](https://doi.org/10.1055/a-1102-1662)
- 234 Gottesmann M, Goycoolea FM, Steinbacher T, Menogni T, Hensel A (2020) Smart drug-delivery against *Helicobacter pylori*: Pectin-coated, mucoadhesive liposomes with antiadhesive activity and antibiotic cargo. Applied Microbiology and Biotechnology. 104, 5943-5957. doi.org/10.1007/s00253-020-10647-3.
- 233 Henschel J, Mense M, Harte P, Diehl M, Buchmann JO, Kux F, Schlatt L, Karst U, Hensel A, Winter M, Nowak S (2020) Phytoremediation of soil contaminated with lithium ion battery active materials – A proof of concept study. Recycling. 5, 26. [doi: 10.3390/recycling5040026](https://doi.org/10.3390/recycling5040026)
- 232 Lehmann S, Herrmann F, Kleemann K, Spiegler V, Liebau E, Hensel A (2020) Extract and the quassinoid ailanthone from *Ailanthus altissima* inhibit nematode reproduction by damaging germ cells and rachis in the model organism *Caenorhabditis elegans*. Fitoterapia 146, 104651. doi.org/10.1016/j.fitote.2020.104651
- 231 Orfanoudaki M, Hartmann A, Alilou M, Gelbrich T, Planchenault P, Derbre S, Schinkovitz A, Richomme P, Hensel A, Ganzera M (2020) Absolute configuration of Mycosporine-Like Amino Acids, their wound healing properties and *in vitro* anti-ageing effects. Marine Drugs 18. 35. [doi: 10.3390/md18010035](https://doi.org/10.3390/md18010035).
- 230 Deipenbrock M, Sendker J, Hensel A (2020) Aqueous root extract from *Ononis spinosa* exerts antiadhesive activity against uropathogenic *Escherichia coli*. Planta Medica. 86, 247-254. [doi: https://doi.org/10.1055/a-1089-8645](https://doi.org/10.1055/a-1089-8645)
- 229 Sendker J, Lechtenberg M, Hensel A (2020) An unsuccessful attempt to confirm the occurrence of 4'-O-β-D-glucosyl-9-O-(6"-deoxysaccharosyl)olivil in Valerian root. Planta Medica. 10.1055/a-10787-5195. [doi: https://doi.org/10.1055/a-10787-5195](https://doi.org/10.1055/a-10787-5195)
- 228 V Spiegler, B Gierlikowska, T Saenger, J Sendker, J Addotey, J Jose, AK Kiss, A Hensel (2020) Root Extracts from *Ononis spinosa* Exert Anti-inflammatory Activity *in vitro* on IL-8 Release by Inhibition of Toll-like

List of Publications

19.10.2020

Receptor 4. *Frontiers Pharmacology* 11:889, doi: 10.3389/fphar.2020.00889

2019

- 227 Deipenbrock M, Hensel A (2019) Polymethoxylated flavones from *Orthosiphon stamineus* leaves as antiadhesive compounds against uropathogenic *E. coli*. *Fitoterapia*. 139, 104387. doi: <https://doi.org/10.1016/j.fitote.2019.104387>
- 226 Hensel A, Esch S (2019) Rotwurzelsalbei und Cryptotanshinon: spezifische Inhibitoren der Keratinisierung von Hautzellen. *Zeitschrift für Phytotherapie*. 40, 204-211. doi: <https://doi.org/10.1055/a-0918-9862>.
- 225 Gottesmann M, Paraskevopoulou V, Mohammed A, Falcone FH, Hensel A (2019) BabA and LPS-inhibitors against *Helicobacter pylori*: Pectins and pectin-like rhamnogalacturonans as adhesion blockers. *Applied Microbiology and Biotechnology*. 104(1):351-363. doi.org/10.1007/s00253-019-10234-1
- 224 Upton R, Hensel A, Heimink M, Brinker F, Haines A, Casper L, Länger R, Fletcher EJ, Petrone C, Geniviva E, Gardner Z, Brinkmann J (2019) Bonest Aerial Parts: *Eupatorium perfoliatum* L. Standards of Analysis, Quality control and Therapeutic. *American Herbal Pharmacopoeia*. 1-47.
- 223 Hensel A [eds] (2019) *Phytotherapie 2019: Phytotherapiekongress 2019*. *Zeitschrift für Phytotherapie*, 40, S1-S44.
- 222 Halver J, Wenzel K, Sendker JD, Carrillo Garcia C, Erdelmeier C, Willems E, Mercola M, Symma N, Köneman S, Koch S, Hensel A, Schade D (Frontiers in Pharmacology) *Crataegus* extract WS174;1442 stimulates cardiomyogenesis and angiogenesis from stem cells: A possible new pharmacology for Hawthorn. 10:1357. doi: 10.3389/fphar.2019.01357
- 221 Menchicci B, Thöle C, Hensel A, Goycoolea F (in press) Low molecular dextran sulfate nanocapsules as inhibitors of *Helicobacter pylori* adhesion to gastric cells. *ACS Applied Bio Material*. doi:10.1021/acsabm.9b00523.
- 220 Hensel A (2019) Wie wirken pflanzliche Urologika? Wirkmechanismen pflanzlicher Urologika. *Spectrum Urologica*. Verlag MedMedia SU 03/2019 24.09.2019
- 219 Rashid ZM, Mormann M, Steckhan K, Peters A, Esch S, Hensel A (2019) Polysaccharides from lichen *Xanthoria parietina*: 1,4/1,6- α -D-glucans and a highly branched galactomannan with macrophage stimulating activity via Dectin-2. *International Journal of Biological Macromolecules*. 134, 921-935. doi.org/10.1016/j.ijbiomac.2019.05.056
- 218 Hensel A (2019) Editorial to Special Issue *Dermatology*. *Planta Medica* 85, 523. doi.org/10.1055/a-0874-0254.
- 217 Esch S, König S, Mormann M, Bertan B, Jose J, Brandt S, Hensel A (2019) Cryptotanshinone from *Salvia miltiorrhiza* roots reduces cytochrome CK1/10 expression in keratinocytes by activation of peptidyl-prolyl-cis-trans-isomerase FKBP1A. *Planta Medica* 85, 552-562. doi.org/10.1055/a-0660-0441.
- 216 Hensel A, Scharf B (2019) Cranberry-Extrakt moduliert das innate Immunsystem. *Zeitschrift für Phytotherapie* 4- 8.
- 215 Beydokhti S, Storck C, Dobrindt U, Hensel A (2019) *Orthosiphon stamineus* extract exerts inhibition of bacterial adhesion and chaperon-usher system of uropathogenic *Escherichia coli* - a transcriptomic study. *Applied Microbiology and Biotechnology*. 103, 8571-8584.
- 214 Addotey J, Lengers I, Jose J, Hensel A (2019) Hyal-1 inhibitors from the leaves of *Phyllanthus muellerianus* (Kuntze) Excell. *Journal of Ethnopharmacology*, *Journal of Ethnopharmacology*. 236, 326-335. doi: 10.1016/j.jep.2019.03.02
- 213 Lechtenberg M, Hensel A (2019) Determination of glucosinolates in broccoli-based dietary supplements by cyclodextrin-mediated capillary zone electrophoresis. *Journal of Food Composition and Analysis*. 78, 138-149. doi.org/10.1016/j.jfca.2019.02.007
- 212 Scharf BR, Senker J, Dobrindt U, Hensel A (2019) Urine from Cranberry extract treated volunteers contains elevated titers of Tamm-Horsfall protein with antiadhesive activity against uropathogenic *E. coli*. *Planta Medica*. 85, 126-138. doi: 10.1055/a-0755-7801
- 211 Esch S, Gottesmann M, Hensel A (2019) γ -Propoxy-sulfo-lichenan induces in vitro cell differentiation of human keratinocytes. *Molecules*. 24, 574-584. doi: 10.3390/molecules24030574.
- 210 Hensel A, Scharf B (2019) Cranberry-Extrakt moduliert die Freisetzung von antiadhäsivem Tamm-Horsfall Protein aus der Niere. *Zeitschrift für Phytotherapie*. 40, 1-5. doi.org/10.1055/a-0794-7407.

2018

- 209 Hensel A, Scharf B (2018) Cranberry-Extrakt moduliert das innate Immunsystem. *Pharmazeutische Zeitung* –
-

List of Publications

19.10.2020

-
- Originalia 51, 3762-3765.
-
- 208 Grube K, Spiegler V, Hensel A (2018) Antiadhesive phthalides from *Apium graveolens* fruits against uropathogenic *E. coli*. *Fitoterapia* 127, 237-244. doi: 10.1016/j.fitote.2018.02.029.
-
- 207 Esch S, Jederk J, Hensel A, (2018) Mit Rotwurzelsalbei gegen Ichtyose (2018) *Deutsche Apothekerzeitung*.158, 56-60.
-
- 206 Addotey JN, Lengers I, Jose J, Gampe N, Béni S, Petereit F, Hensel A (2018) Isoflavonoids with inhibiting effects on human Hyaluronidase-1 and norneolignan clitorienolactone B from *Ononis spinosa* L. root extract. *Fitoterapia* 130, 169-174. doi.org/10.1016/j.fitote.2018.08.013
-
- 205 Zacharski DM, Esch S, König S, Mormann M, Brandt S, Ulrich-Merzenich G, Hensel A (2018) β -1,3/1,4-Glucan Lichenan from *Cetraria islandica* (L.) ACH. induces cellular differentiation of human keratinocytes. *Fitoterapia* 129, 226-236. doi.org/10.1016/j.fitote.2018.07.010
-
- 204 Hensel A, Spiegler V (2018) Ein alternativer Weg zu neuen Wirkstoffen: Aktuelle ethnopharmakologische Forschung. *Deutsche Apothekerzeitung*. 2604, 52- 56.
-
- 203 Sendker J, Böker I, Lengers I, Brandt S, Jose J, Stark T, Hofmann T, Fink C, Abdel-Aziz H, Hensel A (2018) Eibischwurzelextrakt: Niedermolekulare Bestandteile reduzieren kurzkettige Hyaluronsäure Moleküle. *Pharmazeutische Zeitung* 163, 43-47.
-
- 202a Sarshar S, Sendker J, Qin X, Goycoolea FM, Asadi Karam MR, Habibi M, Bouzari S, Dobrindt U, Hensel A (2018) Antiadhesive hydroalcoholic extract from *Apium graveolens* seeds prevents bladder and kidney infection against uropathogenic *E. coli*. *Fitoterapia* S0367-326X30036-4. doi:10.1016/j.fitote.2018.02.029
- 202b Short version on request: *Zeitschrift für Phytotherapie* (2018) 39, 57-62.
-
- 201 Tuncel K, Hensel A, Beikler T (2018) Plant-derived polyphenols-an emerging class of antimicrobial and immunomodulatory substances in the prevention and treatment of periodontal disease. *Fitoterapia* 132, 30-39. doi.org/10.1016/j.fitote.2018.11.012
-
- 200 Omwenga EO, Hensel A, Shitandi A, Goycoolea FM (2018) Chitosan nanoencapsulation of flavonoids enhances their quorum sensing and biofilm formation inhibitory activities against an E.coli Top 10 biosensor. *Colloids and Surfaces B: Biointerfaces*. 164, 125-133.
-
- 199 Nagar S, Hensel A, Mischnick P, Kumar V (2018) A unique polysaccharide containing 3-*O*-methylarabinose and 3-*O*-methylgalactose from *Tinospora sinensis*. *Carbohydrate Polymers*. 193, 326-335.
-
- 198 Agyare C, Spiegler V, Asase A, Hempel G, Hensel A (2018) An ethnopharmacological survey of medicinal plants used for cancer treatment in Ashanti region, Ghana. *Journal of Ethnopharmacology* 212, 137-152. doi.org/10.1016/j.jep.2017.10.019
-
- 2017**
-
- 197 Hensel A (2017) Beeinflusst eine *Helicobacter pylori* Infektion die Parkinson-Therapie mit Levodopa? *Deutsche Apothekerzeitung*. 41, 3984-3987.
-
- 196 Hensel A [eds] (2017) *Phytotherapie 2017: Von der Innovation zur Evidenz*. *Zeitschrift für Phytotherapie, Suppl. 1*, 38, S2-S54.
-
- 195 Boeker I, Sendker JD, Hensel A (submitted) Quantitation of glycine betaine in Marshmallow roots (*Althaea officinalis*) by use of a validated LC-MS method.
-
- 194 Hensel A, Zahn T (2017) Birkenrindenextrakt zur verbesserten Wundheilung: Episalvan® durch EMA zentral zugelassen. *Deutsche Apothekerzeitung* 157, 4582- 4585.
-
- 193 Spiegler V, Hensel A, Seggewiß J, Lubisch M, Liebau E (2017) Transcriptome analysis reveals molecular anthelmintic effects of procyanidins in *C. elegans*. *PLoS ONE* 12(9): e0184656. doi.org/10.1371/journal.pone.0184656
-
- 192 Omwenga EO, Hensel A, Pereira S, Shitandi AA, Goycoolea FM (2017) Antiquorum sensing, antibiofilm formation and cytotoxicity activity of commonly used medicinal plants by inhabitants of Borabu sub-county, Nyamira County, Kenya. *PLoS ONE* 12(11): e0185722. doi.org/10.1371/journal.pone.0185722
-
- 191 Hensel A, Lechtenberg M, Steinhoff B, 2017. Pyrrolizidinalakloide, *Deutsche Apothekerzeitung*, 31, 32-39.
-
- 190 Menchicchi B, Savvaidou E, Hensel A, Goycoolea FM (submitted) Low molecular weight dextran sulfate nanocapsules as inhibitors of *Helicobacter pylori* adhesion to gastric cells.
-
- 189 de Oliveira Caleare A, Hensel A, Mello JCP, Pinha AB, Panizzon GP, Lechtenberg M, Petereit F, Nakamura CV (2017) Flavan-3-ols and proanthocyanidins from *Limonium brasiliense* inhibit the adhesion of

List of Publications

19.10.2020

- Porphyromonas gingivalis* to epithelial host cells by interaction with gingipains. *Fitoterapia*. 118, 87-93.
- 189 Guillermo M, Villena J, Faller G, Hensel A, Font de Valdez G (2017) The exopolysaccharide-producing strain *Streptococcus thermophilus* CRL1190 reduces the inflammatory response caused by *Helicobacter pylori*. *Beneficial Microbes*. 8, 45-461. [dx.doi.org/10.3920/BM2016.0186](https://doi.org/10.3920/BM2016.0186)
- 188 Spiegler V, Liebau E, Hensel A (2017). Medicinal plants and plant-derived polyphenols with anthelmintic activity against intestinal nematodes. *Natural Product Reports*. 34, 627-643. [doi: 10.1039/c6np00126b](https://doi.org/10.1039/c6np00126b).
- 187 Beydokthi SS, Brandt S, Lechtenberg M, Sendker J, Dobrindt U, Qin X, Gycoolea FM, Hensel A (2017) Aqueous extract from *Orthosiphon stamineus* leaves with antiadhesive effects against uropathogenic *E. coli* prevents bladder and kidney infection in mice. *Phytomedicine*. 28, 1-9.
- 186 a/b Sendker J, Böker I, Lengers I, Brandt S, Jose J, Stark T, Hofmann T, Fink C, Abdel-Aziz H, Hensel A (2017) Phytochemical characterization of low molecular constituents from Marshmallow roots (*Althea officinalis*) and inhibiting effects aqueous extract on human Hyaluronidase-1. *Journal of Natural Products*. 80, 290-297. [doi: 10.1021/acs.jnatprod.6b00670](https://doi.org/10.1021/acs.jnatprod.6b00670)
- Deutsche Fassung: *Pharmazeutische Zeitung* (2018) 821, 43-47
- 185 Selbach S, Peters U, Beckert S, Hensel A, Beikler (submitted) The effects of a proanthocyanidin-enriched extract from *Rumex acetosa* L. on *Porphyromonas gingivalis*: a randomized clinical trial.
- 184 Beydokthi SS, Sendker J, Brandt S, Hensel (2017) Traditionally used medicinal plants against uncomplicated urinary tract infections: A hexadecyl coumaric acid ester from the rhizoms of *Agropyron repens* (L.) P. Beauv. with antiadhesive activity against uropathogenic *E. coli*. *Fitoterapia*. 117, 22-267. <http://dx.doi.org/10.1016/j.fitote.2016.12.010>
- 2016**
- 183 Fuchs S, Bischoff I, Willer EA, Bräutigam J, Bubik MF, Erdelmeier CAJ, Koch E, Faleschini MT, De Mieri M, Bauhart M, Hensel A, Hamburger M, Potterat O, Fürst R (2016) The dual edema-preventing molecular mechanisms of the *Crataegus* extract WS® 1442 can be assigned to distinct phytochemical fractions. *Planta Medica*, [doi: http://dx.doi.org/10.1055/s-0042-123388](http://dx.doi.org/10.1055/s-0042-123388)
- 182 Hielscher J, Lemmes AS, von Holtum B, Hasse A, Sendker S, Petereit F, Hensel A, Lechtenberg M (2016) Nachweis und quantitative Bestimmung von Piperin in Cayennepfeffer, Chilipulver und Rosenpaprika – Sind Verunreinigungen mit echtem Pfeffer technisch unvermeidbar? *Lebensmittelchemie* 70, 92-98.
- 181 Engelhardt C, Petereit F, Lechtenberg M, Liefländer-Wulf U, Hensel A (2016) Qualitative and quantitative phytochemical characterization of *Myrothamnus flabellifolia* Welw. *Fitoterapia*. 114, 69-80.
- 180 a-d Hensel A ed. (2016) Fortbildungsserie Forschung Phytotherapie. Deutsche Apothekerzeitung.
Hensel A, Melner N (2016) Cranberry-Früchte gegen Blasenentzündung (21:58-61); Safran gegen Depressionen (25:46-48), Orthosiphon (39: 54-56), Eibisch (43:52-54), Eupatorium – Durchwachsener Wasserhanf (51:4247).
- 180 Spiegler V, Liebau E, Peppler C, Raue K, Werne S, Strube C, Heckendorn F, Agyare C, Hensel A (2016) A hydroalcoholic extract from *Paullinia pinnata* L. roots exerts anthelmintic activity against free-living and parasitic nematodes. *Planta Medica*. 82, 1173-1179. [doi: 10.1055/s-0042-108209](https://doi.org/10.1055/s-0042-108209)
- 179 Derksen A, Kühn J, Hafezi W, Sendker J, Ehrhardt C, Ludwig S, Hensel A (2016) Antiviral activity of hydroalcoholic extract from *Eupatorium perfoliatum* L. against the attachment of influenza A virus. *Journal of Ethnopharmacology* 188, 144-152. [doi: 10.1016/j.jep.2016.05.016](https://doi.org/10.1016/j.jep.2016.05.016).
- 178 Kisseih E, Agyare C, Lechtenberg M, Petereit F, Sendker J, Brandt S, Hensel A (2016) Von der Ethnopharmakologie zur rationale Phytotherapie: Phytochemische Charakterisierung und präklinische Untersuchungen zur potentiellen Wundheilungsaktivität von Extrakten aus *Combretum mucronatum* Schum.&Thonn. *Zeitschrift für Phytotherapie*. 37, 59-65.
- 177 Boakye AD, Agyare C, Hensel A (2016) Anti-infective and time-kill kinetics of *Phyllanthus muellerianus* and its major constituent, Geraniin. *Medicinal Chemistry: Current Research* 6, 95-103. [doi: 10.4172/2161-0444.1000332](https://doi.org/10.4172/2161-0444.1000332).
- 176 Rafsanjany N, Sendker JD, Lechtenberg M, Petereit F, Scharf B, Hensel A (2016) Traditionell verwendete Arzneipflanzen bei unkomplizierten Harnwegsinfekten: Sind strukturell ungewöhnliche Flavan-4-ole- und Derhamnosylmaysinderivate verantwortlich für die antiadhäsive Aktivität von Extrakten aus Maisgriffeln (*Zea mays* L.) gegen uropathogene *E. coli*? *Zeitschrift für Phytotherapie*. 37, 9-15.
- 175 Schmuch J, Beckert S, Brandt S, Löhr G, Beikler T, Hensel A (2016) Hydroalkoholischer Extrakt aus Sauerampferkraut (*Rumex acetosa* L.) zur Prophylaxe von Mundschleimhauterkrankungen und Periodontitis:

List of Publications

19.10.2020

-
- Hemmung der bakteriellen Adhäsion und zentraler Virulenzfaktoren von *Porphyromonas gingivalis*. Zeitschrift für Phytotherapie. 37, 151-159.
-
- 173 Agyare C, Boakye YD, Bekoe EO, Hensel A, Dapaah SO, Appiah T (2016) African medicinal plants with wound healing properties. Journal of Ethnopharmacology. 177, 85–100. doi: 10.1016/j.jep.2015.11.008.
-
- 2015**
-
- 172 Okoye FBC, Sendker J, Aly AH, Sawadog WR, Quandt B, Wray V, Hensel A, Diedrich M, Esimone CO, Proksch P, Debab A (2015) Olamannosides A-C from *Olax mannii*: Structure elucidation and effect on the nuclear factor kappa B pathway. Journal of Ethnopharmacology. 176, 27-34. doi: 10.1016/j.jep.2015.10.019
-
- 171 Omwenga EO, Hensel A, Shitandi A, Goycoolea FM (2015) Ethnobotanical survey of traditionally used medicinal plants for infections of skin, gastrointestinal tract, urinary tract and the oral cavity in Borabu sub-county, Nyamira county, Kenya. Journal of Ethnopharmacology. 176, 508-514. doi: dx.doi.org/10.1016/j.jep.2015.11.032.
-
- 170 Thöle C, Brandt S, Ahmed N, Hensel A (2015) Acetylated rhamnogalacturonans from immature fruits of *Abelmoschus esculentus* inhibit the adhesion of *Helicobacter pylori* to human gastric cells by interaction with outer membrane proteins. Molecules. 20, 16770-16787. doi:10.3390/molecules200916770
-
- 169 Spiegler V, Sendker J, Petereit F, Liebau E, Hensel A (2015) Bioassay guided fractionation of a leaf extract from *Combretum mucronatum* with anthelmintic activity: oligomeric procyanidins as the active principle. Molecules. 20, 14810-14832. doi: 10.3390/molecules200814810
-
- 168 Orlando Z, Lengers I, Melzig MF, Buschauer A, Hensel A, Jose J (2015) Autodisplay of human hyaluronidase Hyal-1 on Escherichia coli and identification of plant-derived enzyme inhibitors. Molecules. 20, 15449-15468. doi: 10.3390/molecules200915449
-
- 167 Rafsanjany N, Sendker J, Brandt S, Dobrindt U, Hensel A (2015) The never ending Cranberry story: *In vivo* consumption of cranberry exerts *ex vivo* antiadhesive activity against *fimH*-dominated uropathogenic *E. coli*, not due to proanthocyanidins and not directed against P-fimbriae: A combined *in vivo*, *ex vivo*, *in vitro* and molecular study of *Vaccinium macrocarpon* extract. Journal of Agricultural Food Chemistry. 63, 8804-8818.
-
- 166 Rafsanjany N, Sendker J, Lechtenberg M, Petereit F, Hensel A (2015) Traditionally used medicinal plants against uncomplicated urinary tract infections: Are unusual, flavan-4-ol- and derhamnosylmaysin derivatives responsible for the antiadhesive activity of extracts obtained from stigmata of *Zea mays* L. against uropathogenic *E. coli* and Benzethonium chloride as frequent contaminant faking potential antibacterial activities? Fitoterapia 105, 246-253.
-
- 165 Löhr G, Beikler T, Hensel A (2015) Inhibition of *in vitro* adhesion and virulence of *Porphyromonas gingivalis* by aqueous extract and polysaccharides from *Rhododendron ferrugineum* L. A new way for prophylaxis of periodontitis? Fitoterapia 107, 105-113.
-
- 164 Zacharski DM, Brandt S, Esch S, König S, Mormann M, Ulrich-Merzenich G, Hensel A (2015) Xyloglucan from *Tropaeolum majus* seeds induces cellular differentiation of human keratinocytes by inhibition of EGFR phosphorylation and decreased activity of transcription factor CREB. Biomacromolecules. 16, 2157-2167. doi: 10.1021/acs.biomac.5b00553
-
- 163 Hensel A (2015) Monographs “Liquiritiae radix, Süßholzwurzel p. 382-385”, “Nasturtii herba, Brunnenkressekraut p. 448-449”, “Saponariae rubrae radix, Rote Seifenwurzel p. 596-597”, “Veronicae herba, Ehrenpreiskraut p. 690-691”, “Uzarae radix, Uzarawurzel p. 677-678”; in: Wichtl - Teedrogen und Phytopharmaka, eds. Blaschek W, 6. Ed. Wissenschaftliche Verlagsgesellschaft, Stuttgart, Germany. ISBN 978-3-8047-30678-7.
-
- 162 Hensel A, Beikler T, Bicker J (2015) Use of proanthocyanidins for production of an antiadhesive preparation. Europäisches Patent 2453889, Anmeldenummer EO 10734105.9-14546, Priorität DE 10 2009 027 696.3 14. Juli 2009, Anmeldedatum 14. Juli 2010, Erteilungsdatum 08. April 2015, maximale Schutzdauer 14. Juli 2030.
-
- 161 Hellenbrand N, Lechtenberg M, Petereit F, Sendker J, A. Hensel (2015) Isolation and quantification of oligomeric and polymeric procyanidins in leaves and flowers of Hawthorn (*Crataegus spp.*). Fitoterapia S0367-326X(15)00100-8. Doi: 10.1016/j.fitote.2015.04.010.
-
- 160 Georgi G, Euler M, Mank M, Hensel A, Niehues M, Klapperich M, Stahl B, (2015) Pea protein peptides with anti *Helicobacter pylori* activity. United States Application Number 14/593,822, File date 03.03.2015.
-
- 159 Kisseih E, Lechtenberg M, Petereit F, Sendker J, Zacharski D, Brandt S, Agyare C, Hensel A (2015) Phytochemical characterization and *in vitro* wound healing activity of leaf extracts from *Combretum*
-

List of Publications

19.10.2020

-
- mucronatum* Schum. & Thonn. Oligomeric procyanidins as strong inducers of cellular differentiation. Journal of Ethnopharmacology. 174, 628-636.
-
- 158 Menchicchi B, Hensel A, Goycoolea FM (2015) Polysaccharides as bacterial antiadhesive agents and “smart” constituents for improved drug delivery: Alternative strategies to *Helicobacter pylori* infection. Current Pharmaceutical Design, Special issue: Exploring the Role of Polysaccharides in Drug Delivery. 21(33), 4888-906.
-
- 157 Hensel A, Agyare C, Kisseih E, Lechtenberg M, Petereit F. (2015) From ethnopharmacological field study to phytochemistry and preclinical research: the example of natural products for improved wound healing. In: Ethnopharmacology – A Reader. Ed. M. Heinrich, A. Jäger; Wiley and Sons, Hoboken, NJ, U.S.A. ISBN 9878-1-118-93074-8.
-
- 156 Schmuch J, Beckert S, Brandt S, Löhr G, Hermann F, Schmidt TJ, Beikler T. Hensel A (2015) Extract from *Rumex acetosa* L. for prophylaxis of periodontitis: Inhibition of bacterial *in vitro* adhesion and of Gingipains of *Porphyromonas gingivalis* by epicatechin-3-O-gallate-(4 β -8]-epicatechin-3-O-gallate (procyanidin-B2-di-gallate). Plosone 10(3):e0120130. doi: 10.1371/journal.pone.0120130.
-
- 155 Menchicchi B, Fuenzalida JP, Hensel A, Swamy M, Rochas C, David L, Goycoolea F (2015) Biophysical analysis of molecular interaction between polysaccharides and mucin. Biomacromolecules. 16, 924-935. doi: 10.1021/bm501832y
-
- 154 Guillermo M, Hensel A, Rodriguez C, Messing J, Medici M, Font de Valdez G (submitted) *In vivo* and *in vitro* adherence of probiotic *Streptococcus thermophilus* CRL1190 to gastric mucosa
-
- 153 Hellenbrand N, Lechtenberg M, Petereit F, Sendker J, Hensel A (2015) Isolation and quantification of oligomeric and polymeric procyanidins in the aerial parts of St. John’s Wort (*Hypericum perforatum* L.) Planta Medica. 81, 1175-1181.
-
- 2014**
-
- 152 Agyare C, Spiegler V, Sarkodie H, Asase A, Liebau E, Hensel A (2014) An ethnopharmacological survey and *in vitro* confirmation of the ethnopharmacological use of medicinal plants as anthelmintic remedies in the Ashanti region, in the central part of Ghana. Journal of Ethnopharmacology 158, 255-263.
-
- 151 Bueno FG, Panizzon GP, Mello EVSL, Lechtenberg M, Petereit F, Mello JCP, Hensel A (2014) Hydrolysable tannins from hydroalcoholic extract from *Poincianella pluviosa* stem bark and its wound-healing properties: phytochemical investigations and influence on *in vitro* cell physiology of human keratinocytes and dermal fibroblasts. Fitoterapia 99, 252-260.
-
- 150 Lautenschläger M, Sendker JD, Galla HJ, Brandt S, Hensel A (2014) Intestinal formation of *trans*-crocetin from saffron extract (*Crocus sativus* L.) and *in vitro* permeation through intestinal and blood brain barrier. Phytomedicine 22, 36-44.
-
- 149 Derksen A, Hensel A, Hafezi W, Herrmann F, Schmidt TJ, Ehrhardt C, Ludwig S, Kühn JE (2014) 3-O-galloylated procyanidins from *Rumex acetosa* L. inhibit the attachment of influenza A virus. PLoS One. Oct 10;9(10):e110089. doi: 10.1371/journal.pone.0110089.
-
- 148 Menchicchi-B, Fuenzalida JP, Babu K, Hensel A, Swamy MS, Goycoolea F (2014) The structure of chitosan determines its interactions with mucin. BioMacromolecules. 15, 3550-3558.
-
- 147 Pillukat AH, Bester C, Hensel A, Lechtenberg M, Petereit F, Beckebaum S, Müller KM, Schmidt HHS (2014) Concentrated Green Tea extract induces severe acute hepatitis in a 63-year-old woman - A case Report with pharmaceutical analysis. Journal of Ethnopharmacology. 155, 165-170. http://dx.doi.org/10.1016/j.jep.2014.05.015
-
- 146 Lechtenberg M, Dierks F, Sendker JD, Louis A, Schepker H, Hensel A (2014) Extracts from *Rhododendron ferrugineum* L. do not exhibit Grayanotoxin I: An analytical survey on GT-I within the genus *Rhododendron*. Planta Medica. 80, 1321-1328.
-
- 145 Marcial G, Sendker J, Brandt S, Lampasona MP, Catalán CAN, Font de Valdez G, Hensel A (2014) Gastroprotection as an example: antiadhesion against *Helicobacter pylori*, anti-inflammatory and antioxidant activities of aqueous extracts from the aerial parts of *Lippia integrifolia* Hieron. Journal of Ethnopharmacology. 155, 1125-1133. http://dx.doi.org/10.1016/j.jep.2014.06.039
-
- 144 Messing J, Niehues M, Shevtsova A, Borén T, Hensel A (2014) Antiadhesive properties of arabinogalactan protein from *Ribes nigrum* seeds against bacterial adhesion of *Helicobacter pylori*. Molecules. 19, 3696-3717. Doi:10.3390/molecules19033696.
-

List of Publications

19.10.2020

- 143 Inngjerdigen KT, Thöle C, Diallo D, Paulsen BS, Hensel A (2014) Inhibition of *Helicobacter pylori* adhesion to human gastric adenocarcinoma epithelial cells by aqueous extracts and pectic polysaccharides from the roots of *Cochlospermum tinctorium* A. Rich. and *Vernonia kotschyana* Sch. Bip. ex Walp. *Fitoterapia*. 95, 127-32.
- 142 Messing J, Thöle C, Niehues M, Shevtsova A, Borén T, Hensel A. (2014) Antiadhesive properties from *Abelmoschus esculentus* (Okra) immature fruit extract against *Helicobacter pylori* adhesion. *PLoS One*. 9, e84836. doi 10.1371/journal.pone.0084836
- 141 Lautenschläger M, Lechtenberg M, Sendker J, Hensel A (2014) Effective isolation protocol for secondary metabolites from Saffron: Semi-preparative scale preparation of crocin-1 and trans-crocetin. *Fitoterapia*. 92, 290-295. doi 10.1016/j.fitote.2013.11.014

2013

- 140 Hensel A, Schmidt TJ, Lechtenberg M: Issue Editors (2013) Book of abstracts, 61st International Congress and Annual Meeting of the Society of Medicinal Plant and Natural Product Research. Münster, Germany, 1 - 5 September 2013. *Planta Medica*. 79, 1097-1288.
- 139 Rafsanjany N, Hensel A (submitted) Cranberry (*Vaccinium macrocarpon* AIT.) extract increases adhesion of uropathogenic *E. coli* to T24 bladder cells but interferes with bacterial invasion under *in vitro* conditions.
- 138 Guillermo M, Messing J, Menchicchi B, Goycoolea FM, Faller G, Font de Valdez G, Hensel A (2013) Effects of *exo*-polysaccharide isolated from *Streptococcus thermophilus* CRL1190 on stomach human cells. *Journal of Biological Macromolecules*. 62, 217-224.
- 137 Sehlbach M, König S, Mormann M, Sendker JD, Hensel A (2013) The arabinogalactan protein cluster isolated from *Jatropha curcas* L seed embryo contains fasciclin, xylogen and LysM proteins. *Carbohydrate Polymers*. 98 522-531. <http://dx.doi.org/10.1016/j.carbpol.2013.06.003>
- 136 Rafsanjany N, Lechtenberg M, Petereit F, Hensel A (2013) Traditionell angewandte Drogen bei unkomplizierten Entzündungen der ableitenden Harnwege verursacht durch uropathogene *E. coli*: *In vitro* Untersuchungen zu antiadhäsiv wirkenden Extrakten. *Zeitschrift für Phytotherapie*. 34, 214-220.
- 135 Wang R, Lechtenberg M, Sendker J, Petereit F, Deters A, Hensel A (2013) Wound-healing plants from TCM: *in vitro* investigations on selected TCM plants and their influence on human dermal fibroblasts and keratinocytes. *Fitoterapia*. 308-317 doi:10.1016/j.fitote.2013.06.003
- 134 Rafsanjany N, Lechtenberg M, Petereit F, Hensel A (2013) Antiadhesion as a functional concept for protection against uropathogenic *E. coli*: *in vitro* studies with traditionally used herbal extracts as antiadhesive entities against uncomplicated urinary tract infections. *Journal of Ethnopharmacology*. 145, 591-597. doi 10.1016/j.jep.2012.11.035
- 133 König S, Herrmann A, Hensel A (2013) Assignment of unknown proteins based on mass spectrometric peptide fragmentation. *Biomacromolecular Mass Spectrometry*. 3:2, 61-75.

2012

- 132 Berger F, Hensel A, Nieber K (2012) *Crocus sativus* L. ist nicht nur ein Gewürz: Die neuroprotektive Wirkung eines Safranextraktes. *Zeitschrift für Phytotherapie*. 33, 263-271.
- 131 Zumdick S, Deters A, Hensel A (2012) *In vitro* transport of oligomeric procyanidins (DP2 to 4) across monolayers of Caco-2 cells. *Fitoterapia* 83, 1210-1217.
- 130 Sendker J, Petereit F, Lautenschläger M, Hellenbrand N, Hensel A (2012) Phenylpropanoid-substituted procyanidins and tentative procyanidin glycosides from Hawthorn (*Crataegus* spp.) *Planta Medica* 79, 45-51.
- 129 Hermann A, König S, Lechtenberg M, Sehlbach M, Vakrushev S, Peter-Katalinic J, Hensel A (2012) Proteoglycans from *Boswellia serrata* Roxb. and *B. carteri* Birdw. and identification of a proteolytic plant basic secretory protein. *Glycobiology*. 22, 1424-1439.
- 128 Ndjonka D, Bergmann B, Agyare C, Lüersen K, Hensel A, Wrenger C, Liebau E (2012) Antiplasmodial activity of three polyphenolic compounds (geraniin from *Phyllanthus muellerianus*, gentisic acid and gallic acid from *Anogeissus leiocarpus*). *Parasitology Research*, 111, 827-834.
- 127 Engelbertz J, Lechtenberg M, Studt L, Hensel A, Verspohl E (2012) Bioassay-guided fractionation of a thymol-

List of Publications

19.10.2020

- deprived hydrophilic thyme extract and antispasmodic effect. *Journal of Ethnopharmacology* 141, 848-53.
- 126 Bester C, Pillukat MH, Hensel A, Lechtenberg M, Petereit F, Müller KM, Schmidt HHJ (in press) Concentrated green tea extract induces severe acute hepatitis in a 63-year-old woman. *Zeitschrift für Gastroenterologie*, Lechtenberg M, Henschel K, Liefländer-Wulf U, Quandt B, Hensel A (2012) Fast determination of N-Phenylpropenoyl-L-Amino Acids (NPA) in cocoa samples from different origins by ultra-performance liquid chromatography and capillary electrophoresis. *Food Chemistry*, 135, 1676-1684.
- 125
- 124 Voss A, Gescher K, Hensel A, Nacken W, Zänker KS, Kerkhoff C (2012) Double-stranded RNA induces S100 gene expression by a cycloheximide-sensitive factor. *FEBS Letters* 586, 196-203.

2011

- 123 Ndjonka, D., Agyare, C., Lüersen, K., Djafsia, B., Achukwi, D., Nukenine, E.N., Hensel, A., Liebau, E., 2011. In vitro activity of Cameroonian and Ghanaian medicinal plants on parasitic (*Onchocerca ochengi*) and free-living (*Caenorhabditis elegans*) nematodes. *Journal of Helminthology*. 85, 304–312.
- 122 Ndjonka, D., Agyare, C., Luersen, K., Djafsia, B., Achukwi, D., Nukenine, E.N., Hensel, A., Liebau, E., 2011. In vitro activity of Cameroonian and Ghanaian medicinal plants on parasitic (*Onchocerca ochengi*) and free-living (*Caenorhabditis elegans*) nematodes. *Helminthology* 85, 304-12.
- 121 Gescher K, Kühn J, Lorentzen E, Hafezi W, Derksen A, Deters A, Hensel A (2011) Proanthocyanidin-enriched extract from *Myrothamnus flabellifolia* Welw. Exerts antiviral activity against herpes simplex virus type 1 by inhibition of viral adsorption and penetration. *Journal Ethnopharmacology* 134, 486-474.
- 120 Agyare C, Deters A, Lechtenberg M, Petereit F, Hensel A (2011) Ellagitannin from *Phyllanthus muellerianus* (Kuntze) Exell: influence on cell physiology of human skin keratinocytes and dermal fibroblasts. *Phytomedicine*. 18, 617-624. doi:10.1016/j.phymed.2010.08.020.
- 119 Hensel A., Maas M, Sendker J, Lechtenberg M, Petereit F, Deters A, Schmidt T, Stark T (2011) *Eupatorium perfoliatum* L.: Phytochemistry, traditional use and current applications. *Journal of Ethnopharmacology*. 138, 641-651. doi:10.1016/j.jep.2011.10.002
- 118 Maas M, Deters A, Hensel A (2011) Anti-inflammatory activity of *Eupatorium perfoliatum* L. extracts, eupafolin, and dimeric guaianolide via iNOS inhibitory activity and modulation of inflammation-related cytokines and chemokines. *Journal of Ethnopharmacology*. 137, 371-381. 10.1016/j.jep.2011.05.040
- 117 Voss A, Gescher K, Hensel A, Nacken W, Kerkhoff C (2011) Double-stranded RNA induces MMP-9 gene expression in HaCaT keratinocytes via tumor necrosis factor- α . *Inflammation and Allergy-Drug Targets*. 10, 171-179.
- 116 Niehues M., Stark T, Keller D, Hofmann T, Hensel A (2011) Antiadhesion as a functional concept: antiadhesive N-phenylpropenoyl-L-amino acid amides as specific inhibitors of the *Helicobacter pylori* BabA outer membrane protein: structure-activity relationship and functional aspects. *Molecular Nutrition and Food Research*. 55, 1104-17. doi: 10.1002/mnfr.201000548.
- 115 Maas M, Hensel A, da Costa FB, Schmidt T (2011) An unusual dimeric guaianolide with antiprotozoal activity and further sesquiterpene lactones from *Eupatorium perfoliatum*. *Phytochemistry*. 72, 635-644.
- 114 Gescher K, Kühn J, Hafezi W, Louis A, Derksen A, Deters A, Lorentzen E, Hensel A (2011) Inhibition of viral adsorption and penetration by an aqueous extract from *Rhododendron ferrugineum* L. as antiviral principle against herpes simplex virus type-1. *Fitoterapia*. 82, 408-413. doi:10.1016/j.fitote.2010.11.022.
- 113 Löhr G, Beikler T, Podbielski A, Standar K, Redanz S, Hensel A (2011) Polyphenols from *Myrothamnus flabellifolia* Welw. inhibit *in vitro* adhesion of *Porphyromonas gingivalis* and exert anti-inflammatory cytoprotective effects in KB cells. *Journal of Clinical Parodontology*. 38, 457-69. doi: 10.1111/j.1600-051X.2010.01654.x
- 112 Gescher K, Hensel A, Hafezi W, Derksen A, Kühn J (2011) Oligomeric proanthocyanidins from *Rumex acetosa* L. inhibit the attachment of Herpes simplex virus type-1. *Antiviral Research*. 89, 9-18. doi:10.1016/j.antiviral.2010.10.007
- 111 Berger F, Hensel A, Nieber K (2011) Saffron extract and trans-crocetin inhibit the glutamatergic synaptic transmission in rat cortical brain slices. *Neuroscience*. 180, 238-247. doi:10.1016/j.neuroscience.2011.02.037

2010

- 110 Ndjonka, D., Agyare, C., Luersen, K., Hensel, A., Liebau, E. (2010). *In vitro* antileishmanial activity of traditional medicinal plants from Cameroon and Ghana. *International Journal of Pharmacology*, 6, 863-871.

List of Publications

19.10.2020

-
- 109 Ndjonka D, Agyare C, Lüersen K, Djafsia B, Achukwi D, Nukenine E N, Hensel A, Liebau E (2010) In vitro activity of Cameroonian and Ghanaian medicinal plants on parasitic (*Onchocerca ochengi*) and free-living (*Caenorhabditis elegans*) nematodes. *Journal of Helminthology*. 1-9. doi:10.1017/S0022149X10000635
-
- 108 Hensel A, Schmidt T, Engelshowe R, Lechtenberg M, Petereit F, Krüger L (2010) *Arzneipflanzen entdecken*. 2. erweiterte Auflage. Eigenverlag, 280 Seiten mit Farbbildungen, ISBN 978-3-00-023921-2
-
- 107 Zippel J, Wells T, Hensel A (2010) Arabinogalactan protein from *Jatropha curcas* L. seeds as inducer of keratinocyte *in vitro* differentiation and stimulation of GM-CSF, HGF, KGF and TGF β 1 in organotypic skin equivalents. *Fitotherapia*. 81, 772-778. doi:10.1016/j.fitote.2010.04.002
-
- 106 Louis A, Petereit F, Lechtenberg M, Deters A, Hensel A (2010) Phytochemical characterization of *Rhododendron ferrugineum* L. and *in vitro* assessment of an aqueous extract on cell toxicity. *Planta Medica*. 14, 5550-5557.
-
- 105 Niehues A, Euler M, Georgi G, Mank M, Stahl B, Hensel A (2010) Peptides from *Pisum sativum* L. enzymatic protein digest with anti-adhesive activity against *Helicobacter pylori*: structure-activity and inhibitory activity against BabA, SabA, HpaA and a fibronectin-binding adhesion. *Molecular Nutrition and Food Research*. 54, 1-11. doi 10.1002/mnfr.201000021
-
- 104 Deters A, Zippel J, Hellenbrandt N, Possemeyer C, Hensel A (2010) Aqueous extracts and polysaccharides from marshmallow roots (*Althea officinalis* L.): cellular internalisation and stimulation of cell physiology of human epithelial cells in vitro. *Journal of Ethnopharmacology*. 127, 62-69.
-
- 103 Niehues M, Georgi G, Euler M, Mank M, Klapperich M, Stahl B, Hensel A (2010) Pea protein peptides with anti *Helicobacter pylori* activity. *Internationale Patentanmeldung PCT/NL2010/050158*.
-
- 102 Schebitz P, Nothdurft L, Hensel A, Müller-Uri F, Kreis W (2010) Norcholanic acids as substrates for recombinant 3- β -hydroxysteroid dehydrogenase and progesterone 5- β -reductase, enzymes of the 5- β -cardenolide biosynthesis. *Tetrahedron Letters*. 51, 367-370. doi 10.1016/j.tetlet.2009.11.029.
-
- 2009**
-
- 101 Distler PG, Hensel A (2009) Echter Eibisch (*Althaea officinalis* L.): traditionelle Heilpflanze und neue Erkenntnisse zur Wirkweise. *Zeitschrift für Phytotherapie* 30, 292-295.
-
- 100 Niehues, M; Hensel, A (2009) Adhesion of *H. pylori* to gastric epithelial cells Influenced in vitro by L-Dopa: An explanation for clinical differences in bioavailability? *Helicobacter*, 14, 411-412.
-
- 99 Hensel A (2009) Eibischextrakt übt aktiven Einfluss auf Mucosa-Zellen aus (2009) *NaturaMed* 5, 24-27.
-
- 98 Lechtenberg M, Maas M, Quandt B, Hensel A (2009) Capillary electrophoresis of phenolic compounds from *Eupatorium perfoliatum* L. (Asteraceae). *Planta Medica* 993- 994.
-
- 97 Löhr G, Deters A, Hensel A (2009) In vitro investigations of *Cynara scolymus* L. extract on cell physiology of HepG2 liver cells. *Brazilian Journal of Pharmaceutical Sciences*. 45(2), 202-208.
-
- 96 Hensel A., Löhr G, Beikler T. Use of proanthocyanidins for production of an antiadhesive preparation. Priority DE/14.07.09/DEA102009027696, date of filing 14.07.2010, PCT/EP2010060161.
-
- 95 Bicker A, Petereit F, Hensel A (2009) Proanthocyanidins and a phloroglucinol derivative from *Rumex acetosa* L. *Fitoterapia*. 80(8); 483-95. doi:10.1016/j.fitote.2009.08.015
-
- 94 J. Zippel, A. Deters, D. Pappai, A. Hensel (2009) A high molecular arabinogalactan from *Ribes nigrum* L.: influence on cell physiology of human skin fibroblasts and keratinocytes and internalization into cells via endosomal transport. *Carbohydrate Research* 344; 1001-8.
-
- 93 S. Zumdick, F. Petereit, H. Luftmann, A. Hensel (2009) Preparative isolation of oligomeric procyanidins from Hawthorn (*Crataegus* spp.). *Pharmazie*. 64, 286-8.
-
- 92 C. Agyare, A. Asase, M. Lechtenberg, M. Niehues, A. Deters, A. Hensel (2009) An ethnopharmacological survey and in vitro confirmation of ethnopharmacological use of medicinal plants used for wound healing in Bosomtwi-Atwima-Kwanwoma area, Ghana. *Journal of Ethnopharmacology*. 125, 393-403. doi:10.1016/j.jep.2009.07.024
-
- 91 N. Wittschier, G. Faller, A. Hensel (2009) Aqueous extracts and polysaccharides from Liquorice roots (*Glycyrrhiza glabra* L.) inhibit adhesion of *Helicobacter pylori* to human gastric mucosa. *Journal of Ethnopharmacology* 125, 218-223. doi:10.1016/j.jep.2009.07.009
-
- 90 M. Niehues, A. Hensel (2009) In vitro interaction of L-Dopa with bacterial adhesins of *Helicobacter pylori*: An explanation for clinical differences in bioavailability? *Journal of Pharmacy and Pharmacology* 61(10),1303-
-

List of Publications

19.10.2020

1307.

- 89 J. Zippel, A. Deters, A. Hensel (2009) Arabinogalactans from *Mimosa tenuiflora* (Willd.) Poiret bark as active principles for wound-healing properties: specific enhancement of dermal fibroblast activity and minor influence on HaCaT keratinocytes. *Journal of Ethnopharmacology* 124, 391-396; doi: 10.1016/j.jep.2009.05.034.

2008

- 88 M. Maas, F. Petereit, A. Hensel (2008) Caffeic acid derivatives from *Eupatorium perfoliatum* L. *Molecules*.14, 36-45.
- 87 Mass M, Hensel A (2008) *Eupatorium perfoliatum* – alte Arzneipflanze neu entdeckt. *Zt. Phytopharm.* 29, 249-254.
- 86 Hensel A (2008) Pflanzliche Stoffe in Nahrungsergänzungsmitteln. *Dt. Apot. Ztg.* 148, 3705-15.
- 85 Stark T, Deters AM, Müller G, Wittschier N, Hensel A, Hofmann T (2008) On the Occurrence and Bioactivity of N-Phenylpropenoyl-L-amino acids in food and medicinal plants. In *Recent Highlights in Flavour Chemistry and Biology*; Hofmann T, Meyerhof, Schieberle P; Eds. 379-382.
- 84 Stark T, Lang R, Keller D, Hensel A, Hofmann T (2008) Absorption of N-phenylpropenoyl-L-amino acids in healthy humans by oral administration of cocoa (*Theobroma cacao*). *Molecular Nutrition and Food Research.* 52,1201-14.
- 83 Lechtenberg M, Quandt B, Nahrstedt A, Hensel A (2008) Kava-Präparate im Internethandel. *Deutsche Apothekerztg.* 149, 1709-1710.
- 82 Lechtenberg M, Schepmann D, Niehues M, Hellenbrand N, Wunsch B, Hensel A (2008) Quality and functionality of saffron: quality control, species assortment and affinity of extract and isolated saffron compounds to NMDA and sigma-1 receptors. *Planta Med.* 74, 764-772.
- 81 Hensel A, Schmidt T, Engelshowe R, Krüger L (2008) *Arzneipflanzen entdecken*. Eigenverlag, 238 Seiten mit Farbabbildungen, ISBN 978-3-00-023921-2
- 80 Deters A, Petereit F, Schmidgall J, Hensel A (2008) N-Acetyl-D-glucosamine oligosaccharides induce mucin secretion from colonic tissue and induce differentiation of human keratinocytes. *Journal of Pharmacy and Pharmacology* 60(2), 197-204.
- 79 Anke J, Engelhard C, Gescher K, Hensel A, Kühn J, Müller G, Petereit F, Plüss R (2007) *Anwendungen der Pflanze Myrothamnus*. DPMA DE 10 2007 046 867.0
- 78 Hensel A, Hofmann T, Deters A, Stark T (2008) N-Phenylpropenoyl-L-amino acids for skin regeneration, as anti-adhesive pathogenic microorganisms and for liver cell stimulation. Deutsche Patentanmeldung, DE 102006033321, Veröffentlichung 24.01.2008; ebenso PCT/EP2007/057324, Anmeldung 16.07.07, Veröffentlichung 09.01.2008, ebenso WO 2008/009655 A2, Veröffentlichung 24.01.2008. Europäisches Patent erteilt 07787591.2-2123 basierend auf PCT/EP2007/057324. Deutsches Patent No. 50 2007 010 576.7am
- 77 Anke J, Petereit F, Engelhardt C, Hensel A (2008) Procyanidins from *Myrothamnus flabellifolia* Welw. *Natural Product Research.* 22, 1243-54.

2007

- 76 Beil W, Hensel A, Koch E, Wittschier N (2007) Verwendung von *Pelargonium sidoides* und/oder *Pelargonium reniforme* zur Herstellung von Zubereitungen sowie diese Extrakte enthaltende Zubereitungen. Europäische Patentanmeldung EP09012930.9-2107, Veröffentlichung 16.01.2008; ebenso Deutsche Patentanmeldung DE 10 2006 032 326 A1, Veröffentlichung 17.01.2008
- 75 Lechtenberg M, Zumdick S, Gerhards C, Schmidt T, Hensel A (2007) Evaluation of analytical markers characterising different drying methods of parsley leaves (*Petroselinum crispum* L.). *Die Pharmazie.* 62, 949-954.
- 74 Engelhardt C, Petereit F, Anke J, Hensel A (2007) A new arbutin derivative from the herb of *Myrothamnus flabellifolia* Welw. *Die Pharmazie.* 62, 55-8-559.
- 73 Schmidt M, Betti G, Hensel A. (2007) Saffron in phytotherapy: Pharmacology and clinical uses. *Wiener Medizinische Monatszeitschrift.* 157/13-14, 315-319.
- 72 Riyazi A, Hensel A, Bauer K, Geißler N, Schaaf S, Verspohl EJ. (2007) The effect of the volatile oil from Ginger rhizomes (*Zingiber officinale* Roscoe), its fractions and isolated compounds on the 5-HT₃ receptor complex

List of Publications

19.10.2020

-
- and the serotonergic system of the rat ileum. *Planta Med.* 73, 355-362.
-
- 71 Wittschier N, Lengsfeld C, Vortheims S, Stratmann U, Verspohl E Hensel A (2007) Large molecules as antiadhesive compounds against pathogens. *Journal of Pharmacy and Pharmacology*, 59, 777-786.
-
- 70 Lengsfeld C, Faller G, Hensel A (2007) Okra polysaccharides inhibit adhesion of *Campylobacter jejuni* to mucosa isolated from poultry *in vitro* but not *in vivo*. *Animal Feed Science and Technology*, 135, 113-125.
-
- 69 Wittschier N, Faller G, Hensel A (2007) An extract of *Pelargonium sidoides* (EPs 7630) inhibits *in situ* adhesion of *Helicobacter pylori* to human stomach. *Phytomedicine*, 14, 285-288.
-
- 68 Hofmann T, Deters A, Müller G, Stark T, Wittschier N, Hensel A (2007) Occurrence of N-Phenylpropenoyl-L-amino acids in different herbal drugs and influence on human keratinocytes, human liver cells and against adhesion of *H. pylori* to human stomach. *Planta Medica*, 73, 142-150.
-
- 67 Wittschier N, Faller G, Hensel A (2007) An extract of *Pelargonium sidoides* (EPs 7630) inhibits *in situ* adhesion of *Helicobacter pylori* to human stomach. *Phytomedicine*, 14, 285-288.
-
- 2005**
-
- 66 Neumann A, Hensel A (2006) *Adhatoda vasica* – *Justitia adhatoda*: new aspects of an old herbal material, *Zeitschrift für Phytotherapie*, 27, 306-310.
-
- 65 Deters AM, Lengsfeld C, Hensel A (2005) Oligo- and polysaccharides exhibit a structure-dependent bioactivity on human keratinocytes *in vitro*. *Journal of Ethnopharmacology*, 102, 191-199.
-
- 64 Schröder K., Holtkötter O., Hürth D.E., Schlotmann K., Mendorf N., Hensel A., Deters A., Schnetz E. German Patent: Cosmetic or pharmaceutical preparations containing oligo and/or polysaccharides for the treatment of epithelial covering tissue. DPMA, Publication date: May 2005; same as PCT patent WO 2005/034900 A1; priority date 06.10.2003.
-
- 63 Houghton PJ, Hylands PJ, Mensah AY, Deters A, Hensel A (2005) *In vitro* tests and ethnopharmacological investigations: Wound healing as an example. *Journal of Ethnopharmacology*, 100, 100-107.
-
- 62 Deters A, Lengsfeld C, Hensel A (2005) Oligo- and polysaccharides exhibit a structure-dependent bioactivity on human keratinocytes *in vitro*. *Journal of Ethnopharmacology*, 102, 391-393.
-
- 61 Deters A, Schröder KR, Hensel A (2005) Kiwi fruit (*Actinida chinensis* L.) polysaccharides exert stimulating effects on cell proliferation via enhanced growth factors receptors, energy production and collagen synthesis of human keratinocytes, fibroblasts and skin equivalents, *Journal of Cell Physiology*, 202, 717-722.
-
- 60 Knoepfl-Sidler, Viviani A, Rist L, Hensel A. (2005) Human cancer cells inhibit *in vitro* individual receptiveness towards different Mistletoe extracts. *Pharmazie*, 60, 448-454.
-
- 59 Sidler-Knoepfl F, Viviani A, Rist L, Scheer R, Hensel A (2005) Human cancer cells exhibit individual receptiveness towards different mistletoe extracts: feasibility study for an individualized mistletoe therapy. In: *Fortschritte in der Misteltherapie*. Eds: Scheer R, Bauer R, Becker H, Fintelmann V, Kemper F, Schilcher H. KVC Verlag Essen, 317-333.
-
- 58 Deters AM, Schröder KR, Smiatek T, Hensel A. (2005) Ispaghula (*Plantago ovata*) seed husk polysaccharides promote proliferation of human epithelial cells (skin keratinocytes and fibroblasts) via enhanced growth factor receptors and energy production. *Planta Medica*, 71, 33-39.
-
- 2004**
-
- 57 Lengsfeld C, Titgemeyer F, Faller G, Hensel A (2004) Glycosylated compounds from Okra inhibit adhesion of *Helicobacter pylori* to human gastric mucosa. *Journal of Agricultural and Food Chemistry*, 52, 1495-1503.
-
- 56 Lengsfeld C, Deters A, Hensel A (2004) High molecular weight polysaccharides from black currant seed inhibit adhesion of *Helicobacter pylori* to human gastric mucosa. *Planta Medica*, 70, 620-626.
-
- 55 Deters A, Brunold C, Hensel A (2004) Polysaccharides from *Hibiscus sabdariffa* flowers stimulate proliferation and differentiation of human keratinocyte. *Planta Medica* 70, 370-373.
-
- 2003**
-
- 54 Hensel A, Cartellieri S: MEMOPHARM (2003) Deutscher Apotheker Verlag, MED-PHARM-Publisher, Stuttgart, 2nd. ed.
-
- 53 Dauer A, Rimpler H, Hensel A (2003) Polymeric proanthocyanidins from the bark of *Hamamelis virginiana* L. *Planta Medica*. 69, 89-91.
-
- 52 Dauer A, Hensel A, Lhoste E, Knasmüller S, Mersch-Sundermann V (2003) Genotoxic and antigenotoxic effects of catechin and tannins from the bark of *Hamamelis virginiana* L. in metabolically competent, human

List of Publications

19.10.2020

-
- hepatoma cells (Hep G2) using single cell gel electrophoresis. *Phytochemistry*. 63, 199-207.
-
- 51 Deters A, Schnetz E, Schmitt M, Hensel A (2003) Effects of zink histidine and zink sulphate on normal human keratinocytes. *Research in Complementary and Classical Natural Medicine*. 10, 19-25.
-
- 2002**
-
- 50 Hensel A, Frank B., Hose S (2002) Indische Flohsamenschalen - eine alte Droge für moderne Zivilisationserkrankungen – Teil 2. *Schweizerische Zeitschrift für Ganzheitsmedizin*, 14, 300-310.
-
- 49 Hensel A, Frank B., Hose S (2002) Indische Flohsamenschalen - eine alte Droge für moderne Zivilisationserkrankungen – Teil 1. *Schweizerische Zeitschrift für Ganzheitsmedizin*, 14, 260-266.
-
- 48 Hensel A (2002) *Hamamelis virginiana* - neue Erkenntnisse über eine alte Heilpflanze (2002) *Drogenreport*, 15, 9-13.
-
- 47 Schmidgall J, Hensel A (2002) Bioadhesive properties of polygalacturonides against colonic epithelial membranes. *International Journal of Biological Macromolecules*, 30, 217-225.
-
- 2001**
-
- 46 Hensel A, Schnetz E, Dauer A, Deters A (2001) Galloylated procyanidins, methods for production and use in cosmetics and as active ingredients for stimulation of cell proliferation. German Patent, DPMA 10132936.9, granted march 2004.
-
- 45 Hensel A, Cartellieri S: MEMOPHARM (2001) Deutscher Apotheker Verlag, MED-PHARM-Publisher, Stuttgart, ISBN 3-7692-2785-9.
-
- 44 Deters A, Dauer A, Schnetz E, Fartasch M, Hensel A (2001) High-molecular products (proanthocyanidins and polysaccharides) from *Hamamelis* bark: influence on human keratinocyte proliferation and differentiation - *Phytochemistry*, 58, 949-958.
-
- 43 Hensel A, Hose S (2001) Indische Flohsamenschalen. *Deutsche Apothekerzeitung* 36, 4161-4169.
-
- 42 Hensel A, Frank B., Hose S (2001) Indische Flohsamenschalen - eine alte Droge für moderne Zivilisationserkrankungen. *Zeitschrift für Phytotherapie*, 309-321.
-
- 41 Edlund U, Hensel A, Fröse D, Pfüller U, Scheffler A (2001) Interactions of polysaccharides from *Viscum album* L. berry extract with *Viscum album* agglutinin I. In: *Die Mistel in der Tumortherapie, Grundlagenforschung und Klinik*. Eds: Scheer R, Bauer R, Becker H, Berg PA, Fintelmann V. KVC Verlag Essen. 65-82.
-
- 2000**
-
- 40 Hensel A, Eiffler-Bollen R (2000) Comparative studies on dosage accuracy of liquid phytopharmaceuticals (Part II - cardiac active preparations) *Pharmazeutische Zeitung*. 49, 4213-4216
-
- 39 Hensel A, Eiffler-Bollen R (2000) Comparative studies on dosage accuracy of liquid phytopharmaceuticals (Part I - Secretolytics) *Pharmazeutische Zeitung*, 30, 2450 - 2453.
-
- 38 Skrzypzak-Pietraszek E, Hensel A (2000) Biotechnical high-yield production of polysaccharides from *Mellitis melissophyllum* by plant cell cultures. *Pharmazie*, 55, 768 - 771.
-
- 37 Edlund U, Hensel A, Fröse D, Pfüller U, Scheffler A (2000) Polysaccharides form fresh *Viscum album* L. berry extract and their interaction with *Viscum album* agglutinin I. *Drug Research* 50, 645 - 651.
-
- 36 Schmidgall J, Hensel A (2000) Evidence for bioadhesive effects of polysaccharides an an ex vivo bioadhesion assay on buccal membranes. *Planta Medica* 66, 48 – 53.
-
- 1999**
-
- 35 Hensel A, Meier K (1999) Pectins and xyloglucans exhibit antimutagenic activity against nitroaromatic compounds. *Planta Medica* 65, 395 - 399.
-
- 34 Hensel A (1999) Ausfällungen in flüssigen Phytopharmaka – Teil 1. *Deutsche Apothekerzeitung*, 14, 1465 - 1468.
-
- 33 Hensel A, Meier, K (1999) Ausfällungen in flüssigen Phytopharmaka – Teil 2: Auswirkungen auf die Dosiergenauigkeit. *Deutsche Apothekerzeitung*, 139, 1465 - 1468.
-
- 32 Hensel A, Schmidgall J, Kreis W (1998) The plant cell wall - a potential source for pharmacologically active polysaccharides. *Pharmaceutica Acta Helvetiae* 73, 37 -43.
-
- 1998**
-
- 31 Hensel A (1998) Studies on polysaccharides and their extractability from *Crataegi folium cum flore*. *Pharmazie*, 53, 572-577.
-
- 30 Kreis W, Hensel A, Stuhlemmer U (1998) Cardenolide biosynthesis in foxglove. *Planta Medica*, 64, 491 - 499.

List of Publications

19.10.2020

29 Hensel A (1999) Polysaccharides and polysaccharide-containing herbs in pharmacy - traditional indications and future concepts. *Drogenreport*, 20, 30 - 33.

28 Luta M, Hensel A, Kreis W (1998) Synthesis of cardenolide glycosides and putative biosynthetic precursors of cardenolide glycosides. *Steroids*, 63, 44 - 49.

1997

27 Hensel A, Kreis W (1997) GC-MS investigations on cardenolides. *Pharmaceutica Acta Helvetiae*, 72, 243 - 246.

26 Hensel A, Schmidgall J, Kreis W (1997) Extracellular polysaccharides from suspension-cultured cells from *Digitalis lanata* EHRH. *Planta Medica*, 63, 441 - 445.

25 Hensel A, Rischer M, Distefano D, Behr I, Wolf-Heuss E (1997) Full chromatographic characterization of polyethylenoxyglyceroltrioleate. *Pharmaceutica Acta Helvetiae*, 72, 185-189.

24 Hensel A (1997) *Fagus*. In: Blaschek W, Keller K, Teuscher E (ed.) *Hagers Handbuch der Pharmazeutischen Praxis, Drogen*, 5. Auflage, Springer Verlag, Berlin, Heidelberg, New York, 687-696.

23 Hensel A (1997) *Physostigma*. In: Blaschek W, Keller K, Teuscher E (ed.) *Hagers Handbuch der Pharmazeutischen Praxis, Drogen*, 5. Auflage, Springer Verlag, Berlin, Heidelberg, New York, 353-360.

22 Hensel A, Rösing M (1997) *Ficus*. In: Blaschek W, Keller K, Teuscher E (ed.) *Hagers Handbuch der Pharmazeutischen Praxis, Drogen*, 5. Auflage, Springer Verlag, Berlin Heidelberg, New York, 713-723.

21 Hensel A, Rösing M (1997) *Crocus*. In: Blaschek W, Keller K, Teuscher E (ed.) *Hagers Handbuch der Pharmazeutischen Praxis, Drogen*, 5. Auflage, Springer Verlag, Berlin Heidelberg, New York, 436-450.

1995

20 Hensel A, Distefano D, Fleischauer I, Bröckl J, Post E., Wolf-Heuss (1995) Xylityl-4-hydroxybenzoates: Synthesis, stability and antimicrobial activity. *Pharmaceutical and Pharmacological Letters*, 2, 56 - 59.

19 Hensel A, Cartellieri S, Engel J: *Memofix Pharmazie*. (1995) Verlag Wiley-VCH, Weinheim, New York, 380 pages with 50 figures, ISBN 3-527-30063-5.

18 A (1995) γ -Propoxy-Sulfo-Lichenin, an antitumor polysaccharide derived from Lichenin. *Pharmaceutica Acta Helvetiae*, 70, 25 - 31.

17 Hensel A, Leisenheimer S, Müller A, Busker E, Wolf-Heuss E, Engel J (1995) Transesterification reactions of parabens (alkyl-4-hydroxybenzoates) with polyols in aqueous solution. *Journal of Pharmaceutical Sciences*, 84, 115 - 118.

1994

16 Hensel A (1994) Protipendylhydrochlorid. In: Bruchhausen F, Dannhardt G, Ebel S, Frahm AW, Hackenthal E, Hänsel R, Holzgrabe U, Keller K, Nürnberg E, Rimpler H, Schneider G, Surmann P, Wolf HU, Wurm G (ed.) *Hagers Handbuch der Pharmazeutischen Praxis, Stoffe*, 5. Auflage, Springer Verlag, Berlin, Heidelberg, New York, 9, 426 - 427.

15 Hensel A (1994) Pipazetathydrochlorid. In: Bruchhausen F, Dannhardt G, Ebel S, Frahm AW, Hackenthal E, Hänsel R, Holzgrabe U, Keller K, Nürnberg E, Rimpler H, Schneider G, Surmann P, Wolf HU, Wurm G (ed.) *Hagers Handbuch der Pharmazeutischen Praxis, Stoffe*, 5. Auflage, Springer Verlag, Berlin, Heidelberg, New York, 9, 220 - 221.

1993

14 Hensel A (1993) *Gossypium*. In: Hänsel R, Keller K, Rimpler H, Schneider G (ed.) *Hagers Handbuch der Pharmazeutischen Praxis, Drogen*, 5. Auflage, Springer Verlag, Berlin, Heidelberg, New York, 5, 336 - 349.

13 Hensel A (1993) *Fucus*. In: Hänsel R, Keller K, Rimpler H, Schneider G (ed.) *Hagers Handbuch der Pharmazeutischen Praxis, Drogen*, 5. Auflage, Springer Verlag, Berlin, Heidelberg, New York, 5, 200-206.

12 Hensel A (1993) Xyloglucane - Struktur, Genese und Funktionen einer weit verbreiteten Stoffgruppe. *Pharmazie in unserer Zeit*, 22, 228 - 234.

1992

11 Hensel A (1992) *Sanguinaria canadensis* L. - die amerikanische Blutwurzel. *Zeitschrift für Phytotherapie, Journal for Phytotherapy*, 13, 56 - 59.

10 Hensel A (1992) *Ascophyllum*. In: Hänsel R, Keller K, Rimpler H, Schneider G (ed.) *Hagers Handbuch der Pharmazeutischen Praxis, Drogen*, 5. Auflage, Springer Verlag, Berlin, Heidelberg, New York, 4, 393 - 394.

1991

9 Hanna R, Brummell DA, Camirand A, Hensel A, Maclachlan G (1991) Solubilization and properties of GDP-

List of Publications

19.10.2020

fucose:xyloglucan 1,2- α -L-fucosyltransferase from pea epicotyl membranes. Archives of Biochemistry and Biophysics, 290, 7 - 13.

1990

8 Hensel A, Brummell DA, Hanna R, Maclachlan G (1990) Auxin-dependent breakdown of xyloglucan in cotyledons of germinating nasturtium seeds. Planta 183, 321 - 326.

7 Boone C, Sommer SS, Hensel A, Bussey H (1990) Yeast KRE genes provide evidence for a pathway of cell wall β -glucan assembly. The Journal of Cell Biology 110: 1833 - 1843.

1989

6 G. Franz, A. Hensel, J. Kraus (1989) Structure Activity Relationship of Immune Modulating Polysaccharides with an Antitumor Effect. in: Biomedical and Biotechnological Advances in Industrial Polysaccharides, eds.: V. Crescenzi, I.C.M. Dea, S. Paoletti, S.S. Stivala and I.W. Sutherland Gordon and Breach Science Publishers New York, London, Paris, Montreaux, Tokyo, Melbourne 241, 241-249, 1989

5 Hensel A, Franz G (1989) Antitumor activity of glucans and their semisynthetic derivatives. Cellulosics Utilization; Research and Rewards. Ed. H.Inagaki and G.O.Phillips; Elsevier Applied Science; London, New York, 215 - 223.

1988

4 Hensel A, Franz G (1988) A β -(1-3,4)-linked glucan from the cell walls of regenerating tobacco protoplasts. Carbohydrate Research 184, 285 - 287.

3 Hensel A, Kraus J, Franz G (1988) Antitumorpolysaccharide. Deutsche Apothekerzeitung, 25, 1305 - 1309.

2 Hensel A (1998) Oligo- and polysaccharides: pharmaceutical use and analytical characterisation, metabolism and biochemical aspects. Habilitation-Thesis, University of Erlangen, Germany

1 Hensel A (1988) Isolation, structure and semi-synthetic derivatisation of non-cellulosic glucans and testing of anti-tumoral activity on sarcoma-180 mice. PhD-Thesis, University of Regensburg, Germany
