

# Seznam literatury s masožravou tematikou 2013

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Nongrum I., Kumaria S.,

Tandom P., 2008. Multiplication through in vitro seed germination and pitcher development in *Nepenthes khasiana* Hook. f., a unique insectivorous plant of India. *J. Hortic. Sci. Biotechnol.* 84: 329-333.

Bhan

B. S., Medhi K., Sarkar T., Saikia S. P., 2009. PCR based molecular characterization of *Nepenthes khasiana* Hook. f. – pitcher plant. *Genet. Res. Crop Evol.* 56: 1183-1193.

Cheek

M., Jebb M., 2009. Nepenthes group Montanae (Nepenthaceae) in Indo-China, with *N. thai* and *N. bokor* described as new. *Kew Bull.* 64: 319-325.

Sreelatha T., Hymavathi A.,

Babu K. S., Murthy J. M., Pathipati U. R., Rao J. M., 2009. Synthesis and insect antifeedant activity of plumbagin derivatives with the amino acid moiety. *J. Agricult. Food Chem.* 57: 6090-6094.

Adlassnig

W., Lendl T., Peroutka M., Lang I., 2010. Deadly glue - adhesive traps of carnivorous plants. In: Byern J. von, Grunwald I. (Eds.): *Biological Adhesive Systems. From Nature to Technical and Medical Application*. Springer Verlag, Vienna, pp. 15-28.

Zhang M., Lenaghan S. C.,

Xia L., Dong L., He W., Henson W. R., Fan X., 2010. Nanofibers and nanoparticles from the insect-capturing adhesive of the Sundew (*Drosera*) for cell attachment. *J. Nanobiotechnol.* 8: 20.

Trevisan R., Moçso de M. C.

C., 2011. Occurrence of *Utricularia olivacea* C. Wright ex Griseb.

(Lentibulariaceae) in Rio Grande do Sul State, Brazil). In Portug. Braz. J. Biosci. (Porto Alegre) 9: 249-251.

Adamec L., 2012. Firing and resetting characteristics of carnivorous Utricularia reflexa traps: Physiological or only physical regulation of trap triggering? Phyton 52: 281-290.

Anderson B., Kawakita A.,  
Tayasu I., 2012. Sticky plant captures prey for symbiotic bug: is this digestive mutualism? Plant Biol. 14: 888-893.

Asirvatham R., Christina A.  
J. M., 2012. *Drosera indica* L.:  
Potential effect on liver enzyme, lipid profile and hormone change in Daltonâ€™s lymphoma ascites (DLA) bearing mice. J. Intercult. Ethnopharmacol. 1: 69-73.

Asirvatham R., Christina A.  
J. M., 2012. Anticancer activity of *Drosera indica* L., on Daltonâ€™s Lymphoma Ascites (DLA) bearing mice. J. Intercult. Ethnopharmacol. 1:Â

Asirvatham R., Christina A.  
J. M., Anita M., 2012. Antitumor activity of ethanol and aqueous extracts of *Drosera burmannii* Vahl. in EAC bearing mice. Spatula DD 2: 83-88.

Bykova S. N., Kurbatova S.  
A., Ershov I. Yu., 2012. Microperiphyton and zooplankton in experimental ecosystems with hydrophytes. Inland Water Biol. 5: 342-349.

De Luccia T. P. B., 2012. *Mimosa pudica*, *Dionaea muscipula* and anesthetics. Plant Signal. Behav. 7: 1-5.

Devi S. P., Rao S. R.,  
Kumaria S., Tandon P., 2012. Mitotic chromosome studies in *Nepenthes khasiana*, an endemic insectivorous plant of Northeast India. *Cytologia* 77: 381-384.

Domínguez Y.,  
Panfet Valdés C. M., Miranda V. F. O. de, 2012. New features of Cuban endemic *Pinguicula filifolia* (Lentibulariaceae) and considerations on its habitat and ecology. *Flora* 207: 838–841.

Fleischmann A., 2012. Monograph of the Genus *Genlisea*. Redfern Natural History Productions, Poole, Dorset, England, U. K., p. 727.

Giovagnoli L., Tasimazzo S., 2012. *Hymenostylio recurvirostri-Pinguiculetum poldinii* ass. nova in the Valbrenta ravines (Venetian Prealps): a new palaeoendemic plant association belonging to the class *Adiantetea Br.-Bl.* 1948. *Plant Sociol.* 49: 49-58.

Gonella P. M., Rivadavia F., Sano P. T., 2012. Re-establishment of *Drosera spiralis* (Droseraceae), and a new circumscription of *D. graminifolia*. *Phytotaxa* 75: 43–57.

Gray S. M., 2012. Succession in the aquatic *Sarracenia purpurea* community: deterministic or driven by contingency? *Aquat. Ecol.* 46: 487–499.

Gray S. M., Akob D. M., Green S. J., Kostka J. E., 2012. The bacterial composition within the *Sarracenia purpurea* model system: local scale differences and the relationship with the other members of the food web. *PLoS ONE* 7: e50969. doi:10.1371/journal.pone.0050969

Harris C. S., Asim M., Saleem A., Haddad P. S., Arnason J. T., Bennett S.A.L., 2012. Characterizing the cytoprotective activity of *Sarracenia*.

purpurea L., a medicinal plant that inhibits glucotoxicity in PC12 cells. BMC Complement. Altern. Med. 12: 245.

He Y., He Z., He F., Wan H., 2012. Determination of quercetin, plumbagin and total flavonoids in *Drosera peltata* Smith var. *glabrata* YZRuan. Pharmacog. Mag. 8: 263-267.

He J., Zain A., 2012. Photosynthesis and nitrogen metabolism of *Nepenthes alata* in response to inorganic NO<sub>3</sub><sup>-</sup> and organic prey N in the greenhouse. Int. Schol. Res. Netw. Botany, Article ID 63270.

Ishisaki K., Arai S., Hamada T., Honda Y. 2012. Biochemical characterization of a recombinant plant class III chitinase from the pitcher of the carnivorous plant *Nepenthes alata*. Carbohydr. Res. 361: 170-174.

Jobson R.W., 2012. *Utricularia corneliana* R.W.Jobson, (Lentibulariaceae), a new species from the North Kennedy district of Queensland. Austrobaileya 8: 601–607.

Jobson, R. W., Conn B. J., 2012. *Utricularia subulata* L. (Lentibulariaceae): a new weed record of an Australian native for New South Wales, Australia. Telopea 14: 83-88.

Jobson, R. W., Conn B. J., 2012. *Drosera capensis* (Droseraceae), a new naturalised record for Australia. Telopea 14: 89-92.

Luken J. O., 2012. Long-term outcomes of Venus flytrap (*Dionaea muscipula*) establishment. Restor. Ecol. 20: 669-670.

McPherson S., Schnell D.,  
2012. Field Guide to the Carnivorous Plants of the United States and  
Canada. Redfern Natural History  
Productions Ltd., Poole, Dorset, England, 200 p.

Milne M. A., 2012. The purple pitcher plant as a spider oviposition  
site. *Southeast. Natur.* 11: 567-574.

Nongrum I., Kumar S.,  
Kumaria S., Tandon P., 2012. Genetic variation and gene flow estimation of *Nepenthes khasiana* Hook. f. – a  
threatened insectivorous plant of India as revealed by RAPD markers. *J. Crop  
Sci. Biotechnol.* 15: 101-105.

Rasic G., Keyghobadi N.,  
2012. The pitcher plant flesh fly  
exhibits a mixture of patchy and metapopulation attributes. *J. Hered.* 103: 703–710.

Schulze W. X., Sanggaard  
K. W., Kreuzer I., Knudsen A. D., Bemm F., Thogersen Å I. B., Braeutigam A., Thomsen L. R., Schliesky  
S., Dyrlund T. F., Escalante-Perez Å M.,  
Becker D., Schultz J., Karring H., Weber A., Hojrup P., Hedrich R., Enghild J.  
J., Å 2012. The protein composition  
of the digestive fluid from the Venus flytrap sheds light on prey digestion mechanisms.  
*Mol. Cell. Proteom.* 11: 1306-1319.

Theodoropoulos K., Eleftheriadou E., 2012. *Drosera rotundifolia* L. (Droseraceae). A rare and endangered  
species for the Flora of Greece. *J. Environ. Protect. Ecol.* 13: 1405-1411.Å

Yee C. M., Rahman R. A.,  
Haron N. W., 2012. Micro-structure studies on Chirita and Utricularia of Peninsular Malaysia. *Pakistan J. Bot.* 44: 2063-  
2066.

Adamec L., 2013. Foliar mineral nutrient  
uptake in carnivorous plants: what do we know and what should we know? *Front.  
Plant Sci.* 4: 10.

Adamec L., 2013. A comparison of photosynthetic and respiration rates in six aquatic carnivorous Utricularia species differing in morphology. Aquat. Bot. 111: 89–94.

Adamec L., Kučerová A., 2013.  
Overwintering temperatures affect freezing temperatures of turions of aquatic plants. Flora 208: 497-501.

Asirvatham R., Christina A. J. M., Murali A., 2013. In vitro antioxidant and anticancer activity studies on *Drosera indica* L. (Droseraceae). Adv. Pharmacol. Bull. 3: 115-120.

Bailey T., McPherson S.,  
2013. *Dionaea: the Venusâ€™s Flytrap*.  
Redfern Natural History Productions Ltd., Poole, Dorset, England, 448 p.

Baiser B., Buckley H. L.,  
Gotelli N. J., Ellison A. M., 2013. Oikos 122: 492-506. Predicting food-web structure with metacommunity models.

Bauer U., Schämann M.,  
Skepper J., Federle W., 2013. â€˜Insect aquaplaningâ€™ on a superhydrophilic hairy surface: how *Heliamphora nutans* Benth. pitcher plants capture prey. Proc. R. Soc. B 280: 20122569.

Braunberger C., Zehl M.,  
Conrad J., Fischer S., Adhami H. R., Beifuss U., Krenn L., 2013. LC-NMR, NMR, and LC-MS identification and LC-DAD quantification of flavonoids and ellagic acid derivatives in *Drosera peltata*. J. Chromatogr. B 932: 111-116.

Buch F., Rott M., Rottloff S., Paetz C., Hilke I., Raessler M., Mithöfer A., 2013. Secreted pitfall-trap fluid of carnivorous Nepenthes

plants is unsuitable for microbial growth. Ann. Bot. 111: 375–383.

Cheek M., Jebb M., 2013. Identification and typification of *Nepenthes blancoi*, with *N. abalata* sp nov from the western Visayas, Philippines. Nord. J. Bot. 31: 151-156.

Cheek M., Jebb M., 2013. Typification and redelimitation of *Nepenthes alata* with notes on the *N. alata* group, and *N. negros* sp. nov. from the Philippines. Nord. J. Bot. 31: 616-622.

Cheek M., Jebb M.,  
2013. *Nepenthes ramos*  
(Nepenthaceae), a new species from Mindanao, Philippines. Willdenowia 43:  
107-111.

Cheek M., Jebb M.,  
2013. *Nepenthes alzapan*  
(Nepenthaceae), a new species from Luzon, Philippines. Phytotaxa 100: 57-60.

Cheek M., Jebb M.,  
2013. *Nepenthes samar*  
(Nepenthaceae), a new species from Samar, Philippines. Blumea 58: 82-84.

Cross  
A., Merritt D., Turner S. R., Dixon K. W., 2013. Seed germination of the carnivorous plant *Byblis gigantea* (Byblidaceae) is cued by warm stratification and karrikinolide. Bot. J. Linn. Soc. 173: 143–152.

Czeczuga B., Godlewska A.,  
Semeniuk J., Czeczuga-Semeniuk E., Kosielinski P., 2013. Distribution of fungi and straminipiles in different stem parts of submerged aquatic plants. Nova Hedw. 97: 239-250.

Devi S. P., Kumaria S., Rao S. R., Tandon P., 2013. In vitro propagation and assessment of clonal fidelity of *Nepenthes khasiana* Hook. f.: a medicinal insectivorous plant of India. *Acta Physiol. Plant.* 35: 2813-2820.

#### Eisen

D., Janssen D., Chen X., Choa F.-S., Kostov D., Fan J., 2013. Closing a Venus Flytrap with electrical and mid-IR photon stimulations. In: Kollias N. et al. (eds.), *Photonic Therapeutics and Diagnostics IX*, Proc. of SPIE, Vol. 8565, 85655I.

#### Furches M. S., Small R.

L., Furches A., 2013. Hybridization leads to interspecific gene flow in *Sarracenia* (Sarraceniaceae). *Am. J. Bot.* 100: 2085-2091.

#### Furches M. S., Small R. L.,

Furches A., 2013. Genetic diversity in three endangered pitcher plant species (Sarracenia; Sarraceniaceae) is lower than widespread congeners. *Am. J. Bot.* 100: 2092-2101.

#### Gibson R., 2013. *Drosera*

bulbosa subsp. coronata (Droseraceae) from the northern goldfields region of Western Australia. *Telopea* 15: 99–105.

#### Hoyo Y., Tsuyuzaki S.,

2013. Characteristics of leaf shapes among two parental *Drosera* species and a hybrid examined by canonical discriminant analysis and a hierarchical Bayesian model. *Am. J. Bot.* 100: 817-823.

#### Ibarra-Laclette E., Lyons

E., Hernández-Guzmán G., Pérez-Torres C. A., Carretero-Paulet L., Chang T.-H., Lan T., Welch A. J., Juárez M. J. A., Simpson J., Fernández-Cortés A., Arteaga-Vázquez M., Góngora-Castillo E., Acevedo-Hernández G., Schuster S. C., Himmelbauer H., Minoche A. E., Xu S., Lynch M., Oropeza-Aburto A., Cervantes-Pérez S. A., Ortega-Estrada M. J., Cervantes-Luevano J. I., Michael T. P., Mockler T., Bryant D., Herrera-Estrella A., Albert V. A., Herrera-Estrella L., 2013. Architecture and evolution of a minute plant genome. *Nature* 498: 94-98.

Iosilevskii G., Joel D. M.,  
2013. Aerodynamic trapping effect and its implications for capture of flying  
insects by carnivorous pitcher plants. Eur. J. Mech. B/Fluids 38: 65-72.

Jobson R. W., 2013. Five new species of Utricularia (Lentibulariaceae) from  
Australia. Telopea 15:  
127–142.

Karberg J. M., Gale M. R.,  
2013. Influence of surface water mineral nutrition on the plasticity of *Sarracenia purpurea* in Sphagnum fens, marl  
wetlands, and sand savannahs.  
Wetlands 33: 631-639.

Kurup R., Johnson A. J.,  
Sankar S., Hussain A. A., Kumar C. S., Baby S., 2013. Fluorescent prey traps in  
carnivorous plants. Plant Biol. 15: 611-615.

Leroy C., Carrias J. F.,  
Corbara B., Pelozuelo L., Dezerald O., Brouard O., Dejean A., Cereghino R., 2013.  
Mutualistic ants contribute to tank-bromeliad nutrition. Ann. Bot. 112: 919-926.

Leushkin E. V., Sutormin R.  
A., Nabieva E. R., Penin A. A., Kondrashov A. S., Logacheva M. D., 2013. The  
miniature genome of a carnivorous plant *Genlisea*  
*aurea* contains a low number of genes and short non-coding sequences. BMC  
Genomics 14: 476.

Menezes V. C. de, Bueno  
N. C., Sobjak T. M., Bortolini J. C., Temponi L. G., 2013. [Zygnemaphyceae  
associated with *Utricularia foliosa* in  
Iguazu National Park, Paraná, Brazil.] In  
Portug. Iheringia, Sér. Bot. (Porto Alegre) 68: 5-26.

Michalko J., Socha P.,  
Măcszajros P., Blehová A., Libantová J., Moravčíková J., Matúšková I., 2013. Glucan-rich diet is digested and taken

by the  
carnivorous sundew (*Drosera rotundifolia L.*): implication for a novel  
role of plant 1,3-glucanases. *Planta* 238: 715-725.

Milne M. A., Waller D. A.,  
2013. Does pitcher plant morphology affect spider residency? *Northeast. Natur.*  
20: 419-429.

Moran J. A., Gray L. K., Clarke C.,  
Chin L., 2013. Capture  
mechanism in Palaeotropical pitcher plants (Nepenthaceae) is constrained by  
climate. *Ann. Bot.* 112: 1279–1291.

Muhammad A., Haddad P. S.,  
Durst T., Arnason J. T., 2013. Phytochemical constituents of *Sarracenia purpurea L.* (pitcher plant). *Phytochemistry*  
94: 238-242.

Naidoo Y., Heneidak S.,  
2013. Morphological investigation of glandular hairs on *Drosera capensis* leaves with an ultrastructural  
study of the sessile glands. *Botany* 91: 234-241.

Nakamura Y., Reichelt M.,  
Mayer V. E., Mithöfer A., 2013. Jasmonates trigger prey-induced formation of  
“outer stomach” in carnivorous sundew plants. *Proc. R. Soc. B* 280: 20130228.

Nishi A. H., Vasconcellos-Neto  
J., Romero G. Q., 2013. The role of multiple partners in a digestive mutualism  
with a protocarnivorous plant. *Ann. Bot.* 111: 143-150.

Nishimura E., Kawahara M.,  
Kodaira R., Kume M., Arai N., Nishikawa J., Ohyama T., 2013. S-like  
ribonuclease gene expression in carnivorous plants. *Planta*: 238: 955-967.

Ogihara H., Endou F.,  
Furukawa S., Matsufuji H., Suzuki K., Anzai H., 2013. Antimicrobial activity of  
the carnivorous plant *Dionaea muscipula*  
against food-related pathogenic and putrefactive bacteria. *Biocontrol Sci.* 18: 151-155.

Pagitz M., Bold J.,  
2013. Shape-changing shell-like structures. *Bioinspir. Biomim.* 8:  
016010.

PÅ,achno B. J., ÅšwiÄ...tek  
P., Sas-Nowosielska H., Kozieradzka-Kiszkurno M., 2013. Organisation of the  
endosperm and endospermâ€“placenta syncytia in bladderworts (Utricularia, Lentibulariaceae) with emphasis on the  
microtubule  
arrangement. *Protoplasma* 250: 863-873.

Poppinga S., Hartmeyer S. R. H.,  
Masselter T., Hartmeyer I., Speck T., 2013. Trap diversity and evolution in the family Droseraceae. *Plant  
Signal. Behav.* 8: e24685.

Poppinga S., Masselter T., Speck T.,  
2013. Faster than their prey: New insights into the rapid movements of active  
carnivorous plants traps. *Bioassays* 35: 649â€“657.

Rembold Å K., Fischer E., Striffler B. F., Barthlott W.,  
2013. Crab spider association with the Malagasy pitcher plant *Nepenthes madagascariensis*. *Afr. J.  
Ecol.* 51: 188-191.

Renner T., Specht C. D., 2013.  
Inside the trap: gland morphologies, digestive enzymes, and the evolution of plant  
carnivory in the Caryophyllales. *Curr. Opin. Plant Biol.* 16: 436-442.

Rey M., Yang M., Burns K.  
M., Yu Y. P., Lees-Miller S. P., Schriemer D. C., 2013. Nepenthisin from monkey  
cups for hydrogen/deuterium exchange mass spectrometry. *Mol. Cell. Proteom.* 12:  
464-472.

Rivadavia F., Gonella P.

M., Fleischmann A., 2013. A new and tuberous species of *Genlisea* (Lentibulariaceae) from the Campos Rupestres of Brazil. *Syst. Bot.* 38: 464–470.

Rodrigues dos Santos T., Carla Ferragut

C., de Mattos Bicudo C. E., 2013. Does macrophyte architecture influence periphyton? Relationships among *Utricularia foliosa*, periphyton assemblage structure and its nutrient (C, N, P) status. *Hydrobiologia* 714: 71–83.

Scharmann M., Grafe T. U.,

2013. Reinstatement of *Nepenthes hemsleyana* (Nepenthaceae), an endemic pitcher plant from Borneo, with a discussion of associated

*Nepenthes*

taxa. *Blumea* 58: 8-12.

Scharmann M., Thornham D. G., Grafe T. U., Federle W., 2013. A novel type of nutritional ant–plant interaction: Ant partners of carnivorous pitcher plants prevent nutrient export by dipteran pitcher infauna. *PLoS ONE* 8: e63556.

Schenková J., Čermák V., 2013.

Description of *Pristina armata* n. sp  
(Clitellata: Naididae: Pristininae) from a carnivorous plant (*Nepenthes* sp.) in Borneo, Indonesia. *Zootaxa* 3686: 587-592.

Scherzer S., Krämer E., Kreuzer I., Kruse J., Karl F., von

Räden M., Escalante-Perez M., Müller T., Rennenberg H., Al-Rasheid K. A. S., Neher E., Hedrich R., 2013. The Dionaea muscipula ammonium channel DmAMT1 provides NH<sub>4</sub><sup>+</sup> uptake associated with Venus flytrap's prey digestion. *Curr. Biol.* 23: 1-9.

Schäfer C. R., Schäfer M.

G., Kerth G., Grafe T. U., 2013. Supply determines demand: influence of partner quality and quantity on the interactions between bats and pitcher plants.

Oecologia 173: 191-202.

Sirota J., Baiser B., Gotelli N., Ellison A. M., 2013. Organic-matter loading determines regime shifts and alternative states in an aquatic ecosystem. PNAS USA 110: 7742-7747.

Urban R. A., Titus J. E., Hansen H. H., 2013. Positive feedback favors invasion by a submersed freshwater plant. Oecologia 172: 515-523.

Volkov A. G., Harris S. L., Il, Vilfranc C. L., Murphy V. A., Wooten J. D., Paulicin H., Volkova M. I., Markin V. S., 2013. Venus flytrap biomechanics: Forces in the Dionaea muscipula trap. J. Plant Physiol. 170: 25-32.

Volkov A. G., Vilfranc C. L., Murphy V. A., Mitchell C. M., Volkova M. I., O'Neal L., Markin V. S., 2013. Electrotonic and action potentials in the Venus flytrap. J. Plant Physiol. 170: 838-846.

Vredenberg W., PavloviÄ• A., 2013. Chlorophyll a fluorescence induction (Kautsky curve) in a Venus flytrap (Dionaea muscipula) leaf after mechanical trigger hair irritation. J. Plant Physiol. 170: 242-250.

Whitney H. M., Federle W., 2013. Biomechanics of plantâ€“insect interactions. Curr. Opin. Plant Biol. 16: 105-111.Â