

## Publikationsverzeichnis List of publications

### Original Research Papers and Reviews (peer reviewed)

#### **2019**

- Agathokleous E, Araminiene A, Belz RG, Calatayud V, De Marco A, Domingos M, Feng ZZ, Hoshika Y, Kitao M, Koike T, Paoletti E, Saitanis CJ, Sicard P, Calabrese EJ (2019). A quantitative assessment of hormetic responses of plants to ozone. *Environmental Research* 176, <https://doi.org/10.1016/j.envres.2019.108527> (review).
- Belz RG, Sinkkonen A (2019): Low toxin doses change plant size distribution in dense populations – Glyphosate exposed *Hordeum vulgare* as a greenhouse case study. *Environment International* 132, <https://doi.org/10.1016/j.envint.2019.105072>.
- Patama M, Belz RG, Sinkkonen A (2019): Realistic low-doses of two emerging contaminants change size distribution of an annual flowering plant population. *Ecotoxicology* 28:732-743.
- Agathokleous E, Belz RG, Kitao M, Koike T, Calabrese EJ (2019): Does the root to shoot ratio show a hormetic response to stress? *Journal of Forestry Research* 30(5): 1569-1580.

#### **2018**

- Belz RG, Duke SO (2018): Predicting hormesis in mixtures of herbicidal compounds – where are we and how far can we go? *Julius-Kühn-Archiv* 458:116-167 (review).
- Belz RG, Farooq MB, Wagner J (2018): Does selective hormesis impact herbicide resistance evolution in weeds? ACCase-resistant populations of *Alopecurus myosuroides* Huds. as a case study. *Pest Management Science* 74(8):1880-1891 (doi:10.1002/ps.4890).
- Belz RG, Patama M, Sinkkonen A (2018): Low doses of six toxicants change plant size distribution in dense populations of *Lactuca sativa*. *Science of the Total Environment* 631-632:510-523 (doi:10.1016/j.scitotenv.2018.02.336).
- Belz RG (2018): Herbicide hormesis can act as a driver of resistance evolution in weeds – PSII-target-site resistance in *Chenopodium album* L. as a case study. *Pest Management Science* 74(12):2874-2883 (doi: 10.1002/ps.5080).
- Leak RK, Calabrese EJ, Kozumbo WJ, Gidday JM, Johnson TE, Mitchell JR, Ozaki CK, Wetzker R, Bast A, Belz RG, Bøtker HE, Koch S, Mattson MP, Simon RP, Jirtle RL, Andersen ME (2018): Enhancing and Extending Biological Performance and Resilience. *Dose-Response* 16(3):1559325818784501 (doi:10.1177/1559325818784501) (review).
- Agathokleous E, Belz RG, Calatayud V, De Marco A, Hoshika Y, Kitao M, Saitanis CJ, Sicard P, Paoletti E, Calabrese EJ (2018): Predicting the effect of ozone on vegetation via linear non-threshold (LNT), threshold and hormetic dose-response models. *Science of the Total Environment* 649:61-74 (<https://doi.org/10.1016/j.scitotenv.2018.08.264>) (review).

#### **2017**

- Rasche F, Blagodatskaya E, Emmerling C, Belz RG, Musyoki MK, Zimmermann J, Martin K (2017): A preview of perennial grain agriculture: knowledge gain from biotic interactions in natural and agricultural ecosystems. *Ecosphere* 8(12):1-24. (review)
- Belz RG, Duke SO (2017): Herbicide-mediated hormesis. In Duke SO, Kudsk P., Solomon K (eds.): Pesticide dose: effects on the environment and target and non-target organisms. *Amer Chem Soc Symp Ser* 1249:135-148. (review)
- Belz RG, Piepho HP (2017): Predicting biphasic responses in binary mixtures: Pelargonic acid versus glyphosate. *Chemosphere* 178:88-98.

**Original Research Papers and Reviews (peer reviewed; continued)**

**2016**

- Follak S, Belz R, Bohren C, De Castro O, Del Guacchio E, Pascual-Seva N, Schwarz M, Verloove P, Essl F (2016): Biological flora of Central Europe: *Cyperus esculentus* L. Perspectives in Plant Ecology, *Evolution and Systematics* 23:33-51.
- Belz RG, Sinkkonen A (2016): Selective toxin effects on faster and slower growing individuals in the formation of hormesis at the population level – A case study with *Lactuca sativa* and PCIB. *Science of the Total Environment* 566-567:1205-1214 (doi:10.1016/j.scitotenv.2016.05.176).
- Belz RG (2016): Investigating a potential auxin-related mode of hormetic/inhibitory action of the phytotoxin parthenin. *Journal of Chemical Ecology* 42:71-83 (doi:10.1007/s10886-015-0662-y).
- Belz RG, Sinkkonen A (2016): Herbicide hormesis to segregate a weed population? – A case study with *Tripleurospermum perforatum* (Mérat) Lainz. *Julius-Kühn-Archiv* 452:103-110 (doi:10.5073/jka.2016.452.014).

**2015**

- Venturelli S, Belz RG, Kämper A, Berger A, von Horn K, Wegner A, Böcker A, Zabulon G, Langenecker T, Kohlbacher O, Barneche F, Weigel D, Lauer UM, Bitzer M, Becker C (2015). Plants release precursors of histone deacetylase inhibitors to suppress growth of competitors. *The Plant Cell* 27:3175-3189 (open access: doi:10.1105/tpc.15.00585).
- Belz RG, Piepho HP (2015). Statistical modeling of the hormetic dose zone and the toxic potency completes the quantitative description of hormetic dose responses. *Environmental Toxicology and Chemistry* 34:1169-1177 (doi:10.1002/etc.2857).

**2014**

- Wagner J, Belz RG (2014). Degree of resistance of hetero- and homozygous resistant genotypes of a target-site resistant blackgrass biotype (haplotype Leu1781) in dose-response experiments with clethodim and cycloxydim. *Julius-Kühn-Archiv* 443:106-113 (open access: doi:10.5073/jka.2014.443.012).
- Belz RG (2014). Is hormesis an underestimated factor in the development of herbicide resistance? *Julius-Kühn-Archiv* 443:81-91 (open access: doi:10.5073/jka.2014.443.009).
- Belz RG, Duke SO (2014). Herbicides and plant hormesis. *Pest Management Science* 70:698-707 (doi:10.1002/ps.3726). (review)
- Belz RG, Piepho HP (2014). Interspecies variability of plant hormesis by the antiauxin PCIB in a laboratory bioassay. *J Plant Growth Regul* 33:499-512 (doi:10.1007/s00344-013-9400-2).

**2013**

- Belz RG, Piepho HP (2013). Variability of hormetic dose responses of the antiauxin PCIB on *Lactuca sativa* in a plant bioassay. *Weed Research* 53:418-428 (open access: doi:10.1111/wre.12038).

**2012**

- Belz RG, Leberle C (2012). Low dose responses of different glyphosate formulations on plants. *Julius-Kühn-Archiv* 434:427-434 (open access: doi:10.5073/jka.2012.434.052).
- Belz RG, Piepho HP (2012). Modeling effective dosages in hormetic dose-response studies. *PLoS ONE* 7(3) (open access: doi:10.1371/journal.pone.0033432).

**2011**

- Belz RG, Cedergreen N, Duke SO (2011). Herbicide hormesis – can it be useful in plant production? *Weed Research* 51:321-332. (review)

**2010**

- Belz RG, Cedergreen N (2010). Parthenin hormesis in plants depends on growth conditions. *Environmental and Experimental Botany* 69:293-301.

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### Original Research Papers and Reviews (peer reviewed; continued)

#### **2009**

- Belz RG, Van der Laan M, Reinhardt CF, Hurle K (2009). Soil degradation of parthenin – does it contradict the role of allelopathy in *Parthenium hysterophorus* L.? *J Chem Ecol* 35:1137-1150.

#### **2008**

- Belz RG, Wagner JE, Leidinger N (2008). Effects of binary mixtures of fenoxaprop-P and chlortoluron on sensitive and herbicide resistant biotypes of *Alopecurus myosuroides* Huds. *Journal of Plant Diseases and Protection*, Special Issue XXI:69-78.
- Van der Laan M, Reinhardt CF, Belz RG, Truter WF, Foxcroft LC, Hurle K (2008). Interference potential of the perennial grasses *Eragrostis curvula*, *Panicum maximum* and *Digitaria eriantha* with *Parthenium hysterophorus* L. *Tropical Grassland* 42:88-95.
- Belz RG, Cedergreen N, Sørensen H (2008). Hormesis in mixtures – can it be predicted? *Science of the Total Environment* 44:77-87.
- Belz RG (2008). Stimulation versus inhibition – bioactivity of parthenin, a phytochemical from *Parthenium hysterophorus* L. *Dose Response* 6:80-94.

#### **2007**

- Belz RG, Reinhardt CF, Foxcroft L, Hurle K (2007). Residue allelopathy in *Parthenium hysterophorus* L. – does parthenin play a leading role? *Crop Protection* 26:237-245.
- Belz RG, Velini E, Duke SO (2007). Dose/response relationships in allelopathy research. In Fujii Y. (ed.): *New concepts and methodology in allelopathy*. Science Publishers, Enfield, NH, pp. 3-29. (review)
- Belz RG (2007). Allelopathy in crop/weed interactions – an update. *Pest Management Science* 63(4), 308-326. (review)
- Duke SO, Baerson SR, Rimando AM, Pan Z, Dayan FE, Belz RG (2007). Biocontrol of weeds with allelopathy: conventional and transgenic approaches. *Nato ASI series 'Novel Biotechnologies for Biocontrol Agent Enhancement and Management'*, ed. by Vurro M. and Gressel J. Springer-Verlag, Heidelberg, Berlin, pp. 75-85. (review)

#### **2006**

- Reinhardt C, Van der Laan M, Belz RG, Hurle K, Foxcroft L (2006). Production dynamics of the allelochemical parthenin in leaves of *Parthenium hysterophorus* L. *Journal of Plant Diseases and Protection*, Special Issue XX:427-433.
- Duke SO, Cedergreen N, Velini ED, Belz RG (2006). Hormesis: is it an important factor in herbicide use and allelopathy? *Outlooks on Pest Management*, 17(1):29-33. (review)

#### **2005**

- Belz RG, Hurle K, Duke SO (2005). Dose-response – a challenge for allelopathy? *Nonlinearity in Biology, Toxicology, and Medicine* 3:173-211.
- Belz RG, Hurle K (2005). Differential exudation of two benzoxazinoids – one of the determining factors for seedling allelopathy of Triticeae species. *Journal of Agricultural and Food Chemistry* 53:250-261.
- Duke SO, Belz RG, Baerson SR, Pan Z, Cook DD, Dayan FE (2005). The potential for advances in crop allelopathy. *Outlooks on Pest Management* 16:64-68. (review)

#### **2004**

- Belz RG, Hurle K (2004). A novel laboratory screening bioassay for crop seedling allelopathy. *Journal of Chemical Ecology* 30:175-198.

#### **2002**

- Duke SO, Rimando AM, Baerson SR, Scheffler BE, Ota E, Belz R (2002). Strategies for the use of natural products for weed management. *Journal of Pesticide Science* 27:298-306. (review)

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### Original Research Papers and Reviews (peer reviewed; continued)

#### **2001**

- Petersen J., Belz R, Walker F, Hurle K (2001). Weed suppression by release of isothiocyanates from turnip-rape mulch. *Agronomy Journal*93:37-43.

#### **Editorial Activities**

- Gerhards R, Belz RG (Eds.) (2008). Beiträge zur 24. Deutschen Arbeitsbesprechung über Fragen der Unkrautbiologie und -bekämpfung, 4.-6. März 2008, Stuttgart-Hohenheim. *Journal of Plant Diseases and Protection*, Special Issue XXI, 674 pp.
- Gerhards R, Belz RG (Eds.) (2006). Beiträge zur 23. Deutschen Arbeitsbesprechung über Fragen der Unkrautbiologie und -bekämpfung, 7.-9. März 2006, Stuttgart-Hohenheim. *Journal of Plant Diseases and Protection*, Special Issue XX, 1082 pp.
- Hurle K, Zwerger P, Belz R (Eds.) (2004). Beiträge zur 22. Deutschen Arbeitsbesprechung über Fragen der Unkrautbiologie und -bekämpfung, 2.-4. März 2004, Stuttgart-Hohenheim. *Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz*, Sonderheft XIX, 1027 pp.
- Hurle K, Belz R, Dux FM (Eds.) (2002). Beiträge zur 21. Deutschen Arbeitsbesprechung über Fragen der Unkrautbiologie und -bekämpfung, 5.-7. März 2002, Stuttgart-Hohenheim. *Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz*, Sonderheft XVIII, 1101 pp.

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### Publications in Proceedings

- Petersen J., Belz R., Walker F. & Hurle K. (1999). Weed suppression by release of isothiocyanates from turnip rape mulch. *Proceedings 2<sup>nd</sup> World Congress of Allelopathy*, Thunder Bay, Canada, 8-13 August 1999, p. 148.
- Belz R. & Hurle K. (2000). Unkrautunterdrückung durch Kulturpflanzen – welche Rolle spielen Allelochemicals? *Mitteilungen aus der Biologischen Bundesanstalt für Land- und Forstwirtschaft*, 376:487-488.
- Belz R. & Hurle K. (2001). Tracing the source – do allelochemicals in root exudates of wheat correlate with cultivar-specific weed-suppressing ability? Brighton Crop Protection Conference – Weeds 2001, 4D-4:317-320.
- Belz R., Duke SO. & Hurle K. (2002). Screening for allelopathy with dose-response? *Proceedings 12<sup>th</sup> EWRS Symposium*, Wageningen, Netherlands, 24-27 June 2002, pp. 256-257.
- Belz RG. & Hurle K. (2002). Dose-response – a challenge for allelopathy? *Proceedings 3<sup>rd</sup> World Congress of Allelopathy*, Tsukuba, Japan, 26-30 August, p. 54.
- Duke SO., Oliva A., Belz R. & Hurle K. (2002). The poison is in the dose – hormesis, dose-response, and time courses. *Proceedings 3<sup>rd</sup> World Congress of Allelopathy*, Tsukuba, Japan, 26-30 August, p. 55.
- Hurle K. & Belz R. (2002). Allelopathic crops – a challenge for weed management. *Proceedings of the Conference on 'Sustainable Development of Crop and Animal Production'*, Prague, Czech Republic, 25-26 September 2002, pp. 64-65.
- Belz R. & Hurle K. (2003). Crop allelopathy to leverage weed management? 43<sup>rd</sup> Annual Meeting of the Weed Science Society of America, 10-14 February 2004, p. 87.
- Belz RG. & Duke SO. (2004). Allelopathic crops – nature's poison is in the density. *Proceedings of the Scientific Colloquium 'Vielfalt – Ideen – Fortschritt / Weed Science on the Go'*, Stuttgart, Germany, 29 October 2004, pp. 23-32.
- Belz RG. & Hurle K. (2004). Is there a benzoxazinone-mediated potential for weed-suppression in *Triticum* L. spp. and *Secale cereale* L.? *Proceedings 2<sup>nd</sup> European Allelopathy Symposium*, Puławy, Poland, 3-5 June 2004, p. 98.
- Duke SO., Michel A., Oliva A. & Belz RG. (2004). Hormesis in dose-response studies with phytotoxins and fungitoxins. *Proceedings 3<sup>rd</sup> International Conference on Non-Linear Dose-Response Relationships in Biology, Toxicology, and Medicine*, Amherst, USA, 8-10 June 2004, p. 16.
- Belz R. (2005). Bioassays in allelopathy research. *Proceedings COST 860 SUSVAR Workshop on Beneficial Interactions Below Ground*, Les Geneveys-sur-Coffrane, Schweiz, 7-9 March 2005.
- Belz R. (2006). Allelopathy in crop/weed interactions – an update. 46<sup>th</sup> Annual Meeting of the Weed Science Society of America, New York City, USA, 13-16 February 2006, p. 89.
- Van der Laan, M., Reinhardt, C., Belz, R., Foxcroft, L., Truter, W. & Hurle, K. (2006). Interference potential of *Parthenium hysterophorus* with indigenous grass species. The 4<sup>th</sup> Kruger National Park Science Network Meeting, Skukuza, South Africa, 13-17 March 2006.
- Belz RG. (2006). Hormesis und ihre Bedeutung für allelopathische Wechselwirkungen. *Mitteilungen aus der Biologischen Bundesanstalt für Land- und Forstwirtschaft* 400:238-239.
- Belz RG. (2007). Hormesis in joint-action studies with phytotoxins from *Parthenium hysterophorus* L. Abstract book 'The 6<sup>th</sup> Annual International Conference on Hormesis', Amherst, USA, 1-2 May 2007, p. 22.
- Belz RG., van der Laan M., Reinhardt CF. & Hurle K. (2007). Soil degradation of parthenin – does it contradict a role in allelopathy of the invasive weed *Parthenium hysterophorus* L.? *Proceeding '14<sup>th</sup> EWRS Symposium'*, Hamar, Norway, 18-21 June 2007, p. 166.

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### Publications in Proceedings (continued)

- Belz RG. (2008). Hormesis in joint action studies with phytotoxins from *Parthenium hysterophorus*. 48<sup>th</sup> Annual Meeting of the Weed Science Society of America, Chicago, USA, 4-7 February 2008.
- Belz RG., Cedergreen N. & Sørensen H. (2008). Hormesis in mixtures – can it be predicted? Proceedings 5<sup>th</sup> International Weed Science Congress, Vancouver, Canada, 23-27 June 2008.
- Belz RG. (2008). Hormesis in allelopathy research – Modelling and characteristic features. 5<sup>th</sup> World Congress on Allelopathy, Saratoga Springs, USA, 21-25 September 2008, p. 82.
- Reinhardt C., Belz R., Hurle K. (2008). Is the allelochemical Parthenin responsible for the invasiveness of *Parthenium hysterophorus* L.? 5<sup>th</sup> World Congress on Allelopathy, Saratoga Springs, USA, 21-25 September 2008, p. 72-73.
- Cedergreen N., Belz RG., Sørensen HS (2009). Hormesis in mixtures – can it be predicted? SETAC Europe 19<sup>th</sup> Annual Meeting, 31 May - 04 June 2009, Göteborg, Sweden.
- Cedergreen N., Belz RG., Ullerås E. (2009). Mixtures of hormetic compounds: what do you get? NoMiracle – PHIME conference 'Multiple Stressors – Novel Methods for Integrated Risk Assessment', Aarhus, Denmark, 28-30 September 2009.
- Belz RG., Cedergreen N. (2010). Hormesis – an option for the portfolio of herbicides? Proceeding '15<sup>th</sup> EWRS Symposium', Kaposvár, Hungary, 12-15 July 2010.
- Wagner JE., Belz RG. (2010). Evolution of resistance to fenoxaprop-P in *Alopecurus myosuroides* – consequences of low/high-dose selection. Proceeding '15<sup>th</sup> EWRS Symposium', Kaposvár, Hungary, 12-15 July 2010.
- Belz RG. (2011). Glyphosate hormesis – an herbicide shows depth effects. DPG Arbeitskreis Herbologie, Braunschweig, Germany, 16/17 February 2011.
- Belz RG (2011). Joint allelochemical actions – a challenge for future allelopathy research. Proceedings 6<sup>th</sup> World Congress on Allelopathy, Guangzhou, China, 15-19 December 2011.
- Belz RG. (2012). Low dose responses of different glyphosate formulations on plants. Proceedings 6<sup>th</sup> International Weed Science Congress, Hangzhou, China, 17-22 June 2012.
- Belz RG. (2012). Stimulation vs. inhibition – dose-dependent variability of phytotoxic effects. 58. Deutsche Pflanzenschutztagung, 10.-14. September 2012, Braunschweig. Julius-Kühn-Archiv, 438:179-180.
- Belz RG. (2015). Investigating a potential auxin-related mode of hormetic/inhibitory action of the phytotoxin parthenin. Proceeding '17<sup>th</sup> EWRS Symposium', Montpellier, France, 22-26 June 2015.
- Belz RG., Sinkkonen A. (2016). Can low-dose effects of herbicides shift a weed population? – A case study with ALS-inhibitors and *Matricaria inodora* L. Proceedings 7<sup>th</sup> International Weed Science Congress, June 19-25, Prague, Czech Republic.
- Farooq MB., Belz RG., Wagner J. (2016). Intra- and interspecific comparison of resistance factors of genotypes with target-site resistance to ALS-inhibitors (haplotype Leu574). Proceedings 7<sup>th</sup> International Weed Science Congress, June 19-25, Prague, Czech Republic.
- Belz RG (2018). Can herbicide hormesis act as a driver of weed resistance evolution? Proceeding '18<sup>th</sup> EWRS Symposium', Ljubljana, Slovenia, 18-21 June 2018.
- Belz RG (2018). Kann Herbizid Hormesis die Resistenzentwicklung in Unkräutern beeinflussen? 61. Deutsche Pflanzenschutztagung, 11.-14. September, Stuttgart-Hohenheim.

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### Eingeladener Vortrag / Invited Lecture

- **Belz RG.** (2018). Herbicide hormesis: importance and implications for crop production and weed control. 70<sup>th</sup> International Symposium on Crop Protection, Ghent, Belgium, 22 May 2018.
- **Belz RG.** (2017). Biomarkers to predict chemical hormesis in plants. US Air Force Sponsored Workshop 'Enhancing and Extending Biological Performance/Resilience', University of Massachusetts, Amherst, USA, 25-26 October 2017.

### Supervised Diploma/Master/Bachelor Theses

- **Maurer, Ann-Kathrin** (Bachelor Agrarwissenschaften, 2019): Occurrence of herbicide hormesis in cycloxydimtolerant *Zea mays* L.
- **Herrmann, Michelle** (Bachelor Agrarwissenschaften, 2019): Untersuchung zur Allelopathie in *Brachiaria humidicola* und Vergleich von drei Versuchs-designs.
- **Jiang, Peitong** (Master Agrarwissenschaften, 2019): Systematische Optimierung der PCIB-Hormesis zur Verstärkung und Steigerung der biologischen Leistungsfähigkeit und Widerstandfähigkeit von *Lactuca sativa*.
- **Reutter, Stefan** (Bachelor Agrarwissenschaften, 2018): Nachweis von ALS-Target-Site-Resistenz (TSR) versus ALS-Non-Target-Site-Resistenz (NTSR) bei *Alopecurus myosuroides* mit dem Plantalyt Resistenz Test.
- **Farooq, Muhammad Babar** (Master Organic Agriculture and Food Systems, 2017): Evaluation of herbicide resistance patterns in target-site-resistant grass weed biotypes of Blackgrass, Windgrass and Ryegrass.
- **Kila, Maiellam Mabelle** (Master EnvironFood, 2015): Effects of low-dose glyphosate treatments on *Lemna minor* L.
- **Nanz, Christian** (Bachelor Agrarwissenschaften, 2013): Untersuchung zur Wirkung von Glyphosatrückständen im Boden auf Unkräuter und Kulturpflanzen.
- **Grub, Miriam** (Master Agrarwissenschaften, 2013): Umweltabhängigkeit der hormetischen Wirkung von PCIB auf Pflanzen.
- **Prigge, Max** (Bachelor Agrarwissenschaften, 2013): Untersuchungen zur Variabilität der Herbizidhormesis in Pflanzen.
- **Leberle, Claudia** (Bachelor Nachwachsende Rohstoffe & Bioenergie, 2011): Untersuchungen zur Wirkung unterschiedlicher Glyphosat-Formulierungen auf Pflanzen.
- **Hemetzberger, Johanna** (Bachelor Agrarbiologie, 2010): Untersuchungen zur Hormesis bei Pflanzen verursacht durch die herbizidwirksamen Verbindungen PCIB und Parthenin.
- **Grub, Miriam** (Bachelor Agrarwissenschaften, 2009): Untersuchungen zum Mechanismus der biologischen Wirkung des Naturstoffs Parthenin.
- **Leidinger, Natalie** (Diplom Agrarbiologie, 2007): Untersuchung zur synergistischen Wirkung von Fenoxaprop-P-ethyl (Ralon Super) in Herbizidmischungen auf resistente und sensitive Biotypen von Ackerfuchsschwanz (*Alopecurus myosuroides* Huds.).
- **Heini, Julia** (Diplom Agrarbiologie, 2007): Untersuchungen zur Hormesis von Parthenin, ein Naturstoff aus *Parthenium hysterophorus* L.
- **Wragge, Verena** (Diplom Agrarbiologie, 2005): Untersuchungen zur Induzierbarkeit der Scopoletin-Ausscheidung bei *Avena sativa* L.
- **Pfleiderer, Regina** (Bachelor Agrarwissenschaften, 2004): Untersuchungen zur Phytotoxizität von Parthenin, ein Naturstoff aus *Parthenium hysterophorus* L.
- **Mehrtens, Jörg** (Diplom Agrarbiologie, 2000): Untersuchungen zum allelopathischen Potential verschiedener *Triticum aestivum* L. und *Secale cereale* L. Varietäten.

### Supervised Humboldt-Reloaded-Projects

- **Bittlingmeier M.** (WS 2017/18): Niedrige Toxindosen – harmlos oder heikel? (291)
- **Nowak, C.** (SS 2017): Our health, our food — but what about our environment? (290)
- **Seitz L., Männer F.** (WS 2016/17): Setzt der Klimawandel Glyphosat außer Kraft? (78)
- **Schad P., Stöhr F.** (SS 2016): „Alle Ding sind Gift“ – Untersuchungen zur Allelopathie beim chinesischen Kaiserbaum (739)
- **Overbeck, F.** (SS 2015): "To boost or not to boost" – Das Phänomen der Glyphosat-Hormesis (538).
- **Blender T., Zirngibl M.** (WS 2013/14): Glyphosat - ein Herbizid das Pflanzen stärkt? (364).
- **Assenmacher N., Zieseniß S.** (WS 2012/13): Untersuchungen zur allelopathischen Wirkung von Japanknöterich (203).

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