

# Curriculum vitae

## Personal Data:

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Name: Phillip Haubrock  
Address: Heinrich-Mahlastr. 22; 63571 Gelnhausen  
Date of birth: 22.02.1989  
Place of birth: Münster  
Family status: married, two daughters

## Current Position:

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12/2018 – current: PostDoc  
Department of River Ecology and Conservation  
Research Institute and Natural History Museum Frankfurt  
(Supervised by Prof. Peter Haase)

## Education & Employment History:

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### a. University and school career

10/2015 – 10/2018: PhD Position in the Marie Skłodowska-Curie Innovative Training Network (ITN) Aquainvad-ED  
Degree: Doctor Europeaus; “Laude with highest honours”  
Topic: “*Assessing the impact of invasive species on recipient freshwater communities*”.

10/2008 - 11/2014: Diplom Studium Biologie at the University of Kassel  
Pre-diplom (BSc): Grade 2.4 “good”  
Diploma (MSc): Grade 1.3 “very good”  
Topic: “*Biogeographic analysis of the distribution of Thaumaleids in Europe using molecular marker*”  
Supervisor: Prof. Dr. Rüdiger Wagner / Prof. Dr. Ulrich Kutschera  
Core themes: Limnology, Plantphysiology, Botany, Animalphysiology

### b. Work experience

09/2016 – 11/2016: Secondment placement at ECOHYDROS s.r.l. in Maliaño, Spain  
12/2014 – 07/2015: Research assistant, University Kassel, Department of Limnology and Zoology  
09/2013 – 11/2013: Museum of Natural Sciences Ottoneum in Kassel  
06/2013 – 08/2013: HLUg; Hessian State Office for Geology and Environment, Kassel

## Research Grants & Funding:

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- 2019 DAAD Conference funding to visit the International Conference on Aquatic Invasive Species (ICAIS) in Montreal, Canada
- 2015 Ph.D. fellowship of the Marie S. Curie International Training Network (ITN) "Aquainvad-ED"

## Research Skills:

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**Field Experience:** Survey sampling; Field work under harsh conditions; Sampling with hand nets and traps for invertebrates and amphibians; field techniques for ichthyology (electrofishing; fyke netting, trapping)

**Laboratory Skills:** Data sampling for morphological studies, diet analysis, identification of several groups; design and execution of experimental studies; microscopy.

**Data Analysis:** R packages; statistical model assumptions, selections and predictions; long-term data analysis; isotope analysis incl. mixing models; Community analysis

**Interpersonal Skills:** Leadership and Management skills; supervision of students and teamwork- but also efficiency-oriented work.

## Teaching & Supervision:

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Involved in the supervision of one Bachelor studies (B.Sc) at the University of Kassel and four Master students (M.Sc) at the University of Florence (Italy) overseeing experimental design, practical work and data analysis. Currently I am co-supervising one Ph.D. student and three M.Sc / B.Sc students in my department.

## Professional Activities:

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Reviewer for: *Aquatic Invasions, Management of Biological Invasions; Ecology of Freshwater Fish; Freshwater Biology; Fisheries Management and Ecology; Biological Invasions; PlosOne; Fisheries Research*

## Additional Experiences and Qualifications:

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Language skills: German (fluent), English (fluent), Italian (fluent), Spanish  
Computer literacy: MS Office (advanced), R (advanced), Paup, Geneious, SPSS, etc.  
Driver license: German Class B

Gelnhausen, 02.10.2020

*Phillip J. Haubrock*

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Phillip J. Haubrock

# List of publications

Dr. Phillip Joschka Haubrock,  
Senckenberg Research Institute and Natural History Museum Frankfurt  
Department of River Ecology and Conservation  
Clamecystraße 12 ; 63571 Gelnhausen  
Mob: +49 176 6905 8034; [Phillip.Haubrock@Senckenberg.de](mailto:Phillip.Haubrock@Senckenberg.de)

**2020**

*Peer reviewed journals and their IF*

**Haubrock, P.J.**, Pilotto, F., Innocenti, G., Cianfanelli, S., & P. Haase. (2020). From native to non-native communities: Almost complete species turnover in a riverine ecosystem within 215 years accompanied by significant changes in niche space. *Global Change Biology*, DOI: 10.1111/gcb.15442 (IF = 8.88)

**Haubrock, P.J.**, Balzani, P., Britton, JR., & Haase, P. (2020). Using stable isotopes to analyse extinction risks and reintroduction opportunities of native species in invaded ecosystems. *Scientific Reports*, 10(1), 1-11. (IF = 3.998)

Balzani, P. & **Haubrock, P.J.**, Russo, F., Kouba, A., Haase, P., Veselý, L., Masoni, A. & E. Tricarico (2020). Combining heavy metal and stable isotope analysis to disentangle contaminant transfer in a freshwater community dominated by alien species. *Environmental Pollution*, in press (IF = 6.792)

**Haubrock, P.J.**, Pilotto, F. & P. Haase (2020). Do changes in temperature affect EU Water Framework Directive compliant assessment results of Central European streams? *Environmental Sciences Europe*, in press (IF = 6.21)

Miloš, B., **Haubrock, P.J.**, Veselý, L., Kozák P., & A. Kouba, (2020). Effective investments due to seasonal morphological changes? Reasons and consequences of allometric growth and reproduction in adult signal crayfish *Pacifastacus leniusculus* (Dana 1852). *Canadian Journal of Zoology*, in press (IF = 1.52)

Balzani, P., Gozlan, RE., & **P.J. Haubrock** (2020). Overlapping niches between two co-occurring invasive fish: the topmouth gudgeon *Pseudorasbora parva* and the common bleak *Alburnus alburnus*. *Journal of Fish Biology*, in press (IF = 2.04)

**Haubrock, P.J.**, Cuthbert, RN., Veselý, L., Dick, JTA., & A. Kouba. (2020). Predatory functional responses under increasing temperatures of two life stages of an invasive gecko. *Scientific Reports* 10, no. 1 (2020): 1-10 (IF = 4.11)

Cuthbert, RN., Bacher, S., Blackburn, TM., Briski, E., Diagne, C., Dick, JTA., Essl, F., Genovesi, P., **Haubrock, P.J.**, Latombe, G., Lenzner, B., Meinard, Y., Pauchard, A., Pyšek, P., Ricciardi, A., Richardson, DM., Russell, JC., Simberloff, D., & F. Courchamp (2020). Fact and value in invasion biology: A response to Sagoff 2019. *Conservation Biology*. (IF= 4.84)

Rico-Sánchez, AE., Sundermann, A., López-López, E., Torres-Olvera, MJ., Mueller, SA., & **PJ. Haubrock** (2020). Biological diversity in protected areas: not yet known but already threatened. *Global Ecology and Conservation*. (IF= 2.751)

**Haubrock, PJ.**, Gianna, I., Mueller, S., Rothman, BS., Galil, BS. & G. Menachem, (2020). Prey availability and community composition: diet analysis of the black angler fish *Lophius budegassa* Spinola, 1807 in the south-eastern Mediterranean Sea. *Regional Studies in Marine Science (accepted)*, (IF = 1.462)

#### *Accepted articles*

**Haubrock, PJ.**, Oficialdegui, FJ., Patoka, J., Zeng, Y., Yeo, DCJ., & A. Kouba. (2021). The redclaw crayfish: A prominent aquaculture species with invasive potential in tropical and subtropical biodiversity hotspots. *Reviews in Aquaculture*, (IF = 7.78)

**Haubrock, PJ.**, Novoa, A., Turbelin, Cuthbert, RN., Angulo, E., Essl, F., Bodey, TW., Golivets, M., Kirichenko, N., Ballesteros-Mejia, L., Kouratidou, M., Renault, D., Taylor, N., Pattison, Z., Verbrugge, L., Diagne, C., & F. Courchamp (2021). Costs of invasive species in Europe. *Neobiota*, (IF = 2.75)

Bissattini, A. & **Haubrock, PJ.**, Buono, V., Stellati, L., Inghilesi, AF., Tricarico, E., Balzani, P., Tancioni, L., Martinoli, M. & L. Vignoli, (2021). Trophic structure alteration in an IAS-dominated pond community: insights from combined stomach content and stable isotope analyses *Aquatic Conservation*, in press (IF = 2.136)

Kirichenko, NI., **Haubrock, PJ.**, Cuthbert, RN., Akulov, EN., Karimova, EV., Shneider, YA, Liu, C., Angulo, E., Diagne, C. & F. Courchamp (2021). Economic costs of biological invasions in terrestrial ecosystems in Russia. *Neobiota* (IF = 2.75)

**Haubrock, PJ.**, Cuthbert, RN., Sundermann, A., Diagne, C., Golivets, M. & F. Courchamp (2021). Economic costs of invasive species in Germany. *Neobiota* (IF = 2.75)

**Haubrock, PJ.**, Cuthbert, RN., Tricarico, E., Diagne, C., Gozlan, GE. & F. Courchamp (2021). The economic costs of alien invasive species in Italy. *Neobiota* (IF = 2.75)

Cuthbert, RN., Bartlett AC. & **Haubrock, PJ.**, Diagne, C., Pattison, Z., Turbelin, A., Catford, JA, & F. Courchamp (2021). Economic costs of biological invasions in the United Kingdom. *Neobiota* (IF = 2.75)

Kourantidou, M. & **Haubrock, P.**, Cuthbert, RN., Angulo, E., Diagne, C., Leroy, B., & F. Courchamp (2021). The economic costs of alien invasive species in the Mediterranean *Neobiota*, (IF = 2.75)

Liu, C., Banerjee, AK., Cuthbert, RN., **Haubrock, PJ.**, Liu, C., Diagne, C., & F. Courchamp (2021). Economic costs of biological invasions in Asia. *Neobiota*, (IF = 2.75)

Submitted articles

- Bradshaw, CJA., **Haubrock, PJ.**, Cuthbert, RN., Diagne, C., Leroy, B., Andrews, L., Page, B., Cassey, P., Hoskins, AJ. & F. Courchamp (2020). Comprehensive assessment of the economic costs of invasive species in Australia. *Neobiota* (IF = 2.75)
- Haubrock, PJ.** (2020). Seasonal variability in the diet of the European catfish *Silurus glanis*. *Fisheries and aquatic life*, (IF = 0.6)
- Duboscq-Carra, VG., Fernandez, RD., **Haubrock, PJ.**, Dimarco, RD., Angulo, E., Ballesteros-Mejia, L., Diagne, C., Courchamp, F. & MA Nuñez (2020). Economic impact of invasive alien species in Argentina. *Neobiota* (IF = 2.75)
- Haubrock, PJ.**, Cuthbert, RN., Yeo, DCJ, Banerjee, AK., Liu, C., Diagne, C. & F. Courchamp (2020). Economic costs of biological invasions in Singapore. *Neobiota* (IF = 2.75)
- Russell1, JR., **Haubrock, PJ.**, Cuthbert, RN., Welsh, MJ., Carter, ZT., Bodey, TW., Diagne, C. & F. Courchamp (2020). The economic cost of biological invasions in New Zealand. *Neobiota* (IF = 2.75)
- Rico-Sánchez1, AE., **Haubrock, PJ.**, & Cuthbert, RN., Angulo, E., Ballesteros-Mejia, L., López-López, E., Duboscq-Carra, VG., Nuñez, MA., Diagne, C. & F. Courchamp (2020). Economic costs of invasive alien species in Mexico. *Neobiota* (IF = 2.75)
- Haubrock, PJ.**, Copp, GH., Johovic, I., Balzani, P., Inghilesi, AF., Nocita, A., & E. Tricarico (2020). North American channel catfish *Ictalurus punctatus*: a neglected but potentially invasive freshwater fish species? *Biological Invasions*. (IF=2.9)
- Haubrock, PJ.**, Balzani, P., Hundertmark, I. & RN. Cuthbert (2020). Spatial and size variation in dietary niche of an alien non-native freshwater fish. *Copeia*, (IF = 1.22)
- Haubrock, PJ.**, Bernery, C. & Cuthbert, R., Liu, C., Kourantidou, M., Leroy, B., Kramer, A., Verbrugge, L., Diagne, C., Courchamp, F. & RE Gozlan (2020). What is the recorded economic cost of non-native invasive fishes worldwide? *Fish and Fisheries* (IF = 6.6)
- Bernery, C. & **Haubrock, PJ.**, Liu, C., Kourantidou, M., Cuthbert, R., Leroy, B., Kramer, A., Pattison, Z., Verbrugge, L., Diagne, C., Courchamp, F., & R. Gozlan (2020). What is the true economic cost of invasive fishes? *Fish and Fisheries*, (IF = 6.7)
- Jean E. Fantle-Lepczyk, **Haubrock, PJ.**, Kramer, AM., Tuberlin, A., Cuthbert, RN., Crystal-Ornelas, R., Diagne, C. & F. Courchamp (2020) Economic costs of invasive species in the United States, *PNAS* (IF = 9.58)
- Cuthbert, RN., Pattison, Z., Diagne, C., Leroy, B., Ahmed, DA., Angulo, E., Bernery, C., Briski, E., Capinha, C., Catford, JA., Essl, F., Gozlan, R., **Haubrock, PJ.**, Kourantidou, M., Kramer, AM., Renault, D., Taylor, NG., Verbrugge, L. & F. Courchamp (2020) Global economic costs of aquatic invasive alien species. *Journal of Applied Ecology*, (IF = 5.78)
- Haubrock, PJ.**, Balzani, P., Matsuzaki, SIS. & P. Haase (2020). Spatially varying trophic ecology

despite an accomplished lake invasion reveal the need adjust sampling schemes. *Fisheries Research*, (IF = 1.903)

Kouba, A., Oficialdegui, FJ., Curthbert, RN., Kouratidou, M., South, J., Leroy, B., Gozlan, RE., Diagne, C., Tricarico, E., Courchamp, F. & **Haubrock, PJ.** (2020). Feeling the pinch: Quantifying global economic costs of crayfish invasion. *Biological invasions*, (IF = 2.9)

**Haubrock, PJ.** & Cuthbert, RN., Ricciardi, A., Diagne, C., & F. Courchamp (2020). Massive global economic costs of invasive macrofouling freshwater bivalves. *Biological invasions*, (IF = 2.9)

**Haubrock, PJ.,** & Cuthbert, RN., Capinha, C., Kramer, AM., Diagne, C., Leroy, B., & F. Courchamp (2020). Invasive terrestrial invertebrates induce massive global economic costs. *Biological Invasions*, (IF = 2.9)

#### Conference contributions

**Haubrock, PJ.,** Pilotto, F., Innocenti, G., Cianfanelli, S., & P. Haase (2020). Two centuries for an almost complete native to non-native community turnover in a riverine ecosystem. NEOBIOTA-Conference; 11<sup>th</sup> International Conference on Biological Invasions: *The Human Role in Biological Invasions: a case of Dr Jekyll and Mr Hyde?* in Vodice, Croatia

## 2019

#### Peer reviewed journals and their IF

**Haubrock, PJ.,** Balzani, P., Azzini, M., Inghilesi, A.F., Veselý, L., Guo, W., & E. Tricarico. (2019). Shared histories of co-evolution may affect trophic interactions in a freshwater community dominated by alien species. *Frontiers in Ecology and Evolution*. 7, 355. (IF = 2.686)

Stellati, L., Borgianni, N., Bissattini, NM., Buono, V., **Haubrock, PJ.,** Balzani, P., Tricarico, E., Inghilesi, AF., Tancioni, L., Martinoli, M., Luiselli, L., & L. Vignoli, (2019). Living with aliens: suboptimal ecological condition in semiaquatic snakes inhabiting a hot 2 spot of al biodiversity. *Acta Oecologica*. 100, 103466. (IF = 1.478)

**Haubrock, PJ.,** Inghilesi, A.F., Mazza, G., Bondoni, M., Solari, L., & E. Tricarico. (2019). Burrowing activity of *Procambarus clarkii* on levees – analysing behaviour and burrow structure. *Wetlands Ecology and Management*. DOI: 10.1007/s11273-019-09674-3 (IF = 2.250)

**Haubrock, PJ,** Kubec, J., Veselý, L., Buřič, M., Tricarico, E. & Kouba, A. Water temperature as a hindrance, but not limiting factor for the survival of warm water invasive crayfish introduced in cold periods. *Journal of Great Lakes Research* (IF = 2.175)

**Haubrock, PJ,** Azzini, M., Balzani, P., Inghilesi, AF, Tricarico, E. (2019). When alien catfish meet—Resource overlap between the North American *Ictalurus punctatus* and immature European *Silurus glanis* in the Arno River (Italy). *Ecology of Freshwater Fish – online first*. 00: 1–14. <https://doi.org/10.1111/eff.12481> (IF = 1.742)

**Haubrock, PJ.,** Balzani, P., Criado, A., Inghilesi, AF., Tricarico, E. & Monteoliva, AP. (2019). Predicting the effects of reintroducing a native predator (European eel, *Anguilla anguilla*)

into a freshwater community dominated by alien species using a multidisciplinary approach. *Management of Biological Invasions*, 10(1), 171-191. (IF = 1.515)

#### *Conference contributions*

**Haubrock PJ** & Balzani P, Criado A, Monteoliva AP, Inghilesi AF & E Tricarico (2019): Predicting the effects of reintroducing a native predator (European eel, *Anguilla anguilla*) into a freshwater community dominated by alien species. Aquainvad-ED session of the ICAIS2019 conference, 21th International Conference on Aquatic Invasive Species, Montreal (Canada), October 25<sup>th</sup> - 31<sup>st</sup>.

## **2018**

#### *Peer reviewed journals and their IF*

**Haubrock, P.J.**, Balzani, P., Johović, I., Inghilesi, AF, & Tricarico, E. (2018). The effects of two different preservation methods on morphological characteristics of the alien channel catfish *Ictalurus punctatus* (Rafinesque, 1818) in European freshwater. *Croatian Journal of Fisheries*, 76(2), 80-84. (IF=1.14)

**Haubrock PJ**, Criado A, Monteoliva AP, Monteoliva JA, Santiago J, Inghilesi AF & E. Tricarico (2018): Control and eradication efforts of aquatic alien fish species in Lake Caicedo Yuso-Arreo. *Management of Biological Invasions* 9. (IF = 2.037)

**Haubrock PJ**, Johovic I, Balzani P, Inghilesi AF, Nocita A & E Tricarico (2018): The diet of the alien channel catfish *Ictalurus punctatus* in the River Arno (Central Italy) . *Aquatic invasions* (IF = 1.976) DOI: <https://doi.org/10.3391/ai.2018.13.4.03>

**Haubrock PJ** & Fribbi I, Baker NJ, Inghilesi AF, Tricarico E & A Nocita (2018): Age determination in the channel catfish *Ictalurus punctatus* (Rafinesque, 1818) using pectoral spines: a technical report. *Fishes in Mediterranean Environments* 2018.003: 13p. <https://doi.org/10.29094/FiSHMED.2018/003>

**Haubrock P.J.**, Azzini M., Fribbi I., Inghilesi A.F., Tricarico E. (2018) Opportunistic alien catfish: unexpected findings in the diet of the alien species *Ictalurus punctatus* in Central Italy – *Fish. Aquat. Life* 26: 239-242

**Haubrock PJ**, Fribbi I, Balzani P, Johovic I, Baker NJ, Inghilesi AF, Tricarico E, Nocita A (2018) Age determination in the channel catfish *Ictalurus punctatus* using pectoral spines: a technical report. *Fishes in Mediterranean Environments* 2018.003: 13p. <https://doi.org/10.29094/FiSHMED.2018.003>

#### *Conference contributions*

**Haubrock PJ** & Balzani P, Criado A, Monteoliva AP, Inghilesi AF & E Tricarico (2018): Predicting the effects of reintroducing a native predator (European eel, *Anguilla anguilla*) into a freshwater community dominated by alien species. Aquainvad-ED session of NEOBIOTA2018 conference, 10th International Conference on Biological Invasions, Dun Laoghaire (Ireland), September 3<sup>rd</sup>.

## 2017

### *Peer reviewed journals and their IF*

**Haubrock PJ**, Kvifte GM, Langguth H & R Wagner (2017): Glacial and postglacial species divergence and dispersal of European trickle midges (Diptera: Thaumaleidae) *Arthropod Systematics and Phylogeny* 75 (3):523-534 (IF = 1.703)

Tricarico, E., Borrell, Y. J., Garcia-Vazquez, E., Rico, J. M., Rech, S., Scapini, F., **Haubrock, P.** & Gough, P. (2017). Developing innovative methods to face aquatic invasions in Europe: the Aquainvad-ED project. *Management of Biological Invasions*, 8(3), 403-408. (IF = 2.037)

### *Scientific reports*

**Haubrock PJ**, Rolla M, Garcia de Leaniz C, Tricarico E, Consuegra S, Ordás JMC, Inghilesi AF, Skukan R, (2017): Protocols to assess ecological and economic impacts of aquatic invasive species. Deliverable 3.1 Project Marie Curie Aquainvad-ED (H2020-MSCA-ITN-2014-ETN-642197)

**Haubrock PJ**, Rolla M, Garcia de Leaniz C, Consuegra S, Inghilesi AF & E Tricarico (2017): Protocols to assess ecological and economic impacts of aquatic invasive species. Deliverable 3.1 Project Marie Curie Aquainvad-ED (H2020-MSCA-ITN-2014-ETN-642197)

### *Conference contributions*

**Haubrock PJ**, Johovic I, Balzani P, Inghilesi AF, Nocita A, & E Tricarico (2017): Assessing the impacts of the invasive Channel catfish *Ictalurus punctatus* in central Italy. In *20th International Conference of Aquatic Species. October* (pp. 22-26).

### *Others*

**Haubrock, P. J.** (2017). Aquaculture related introduction of channel catfish – an ecologist's perspective. *Aquaculture and World fishing* 9: (03/2017).

## 2016

### *Peer reviewed journals and their IF*

**Haubrock, P. J.**, & Altrichter, J. (2016). Newts in the nature reserve Dönche: Evaluation of diversity, breeding behaviour and threats due to a decline in habitat suitability. *Biologia*, 71(7), 824-834. (IF = 0.696)

**Haubrock P. J.** & J. Altrichter (2016). Northern crested newt (*Triturus cristatus*) migration in a nature reserve: multiple incidents of breeding season displacements exceeding 1km. *Herpetological Bulletin*, 138: 31. (IF = 0.39)

### *Conference contributions*



Tricarico E., et al. (other 26 authors incl. **Haubrock P.**). (2016): Tackling aquatic invasions in Europe: the Aquainvad-ED project. NEOBIOTA, 9th International Conference on Biological Invasions, Vianden (Luxembourg), September 14-16.

**Haubrock PJ**, Inghilesi AF, Mazza G, Bondoni M, Paris E, Solari L & E. Tricarico (2016): How the burrowing activity of the North American crayfish *Procambarus clarkii* alters the seepage process in river levees. NEOBIOTA, 9th International Conference on Biological Invasions, Vianden (Luxembourg), September 14-16.