PD Dr. Kenneth Dumack

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ResearcherID AAT-8560-2021

Professional development

2018 - now **Research fellow with teaching duty** - University of Cologne
- **Habilitation** submitted in Sept. 2021; ***Venia legendi*** obtained in January 2022

2018 - 2018 **DFG funded research scholar** - University **São Paulo, Brazil**

2017 - 2018 **Research fellow with teaching duty** - University of Cologne

Education

2014 - 2017 PhD studies in the Faculty of Zoology - University of Cologne
- Graduation in January 2017 ***magna cum laude***

2012 - 2014 Master studies „Biological Sciences" - University of Cologne
- Scientific helper (WHF) for 1.5 years

2009 - 2012 Bachelor studies „Biology" - University of Cologne
- Student helper (SHK) for 6 months

2006 - 2009 Geschwister-Scholl-Gymnasium, Pulheim

2000 - 2006 Marion-Dönhoff-Realschule, Pulheim

Awards and honours

2019 **FEMS - European Young Investigators Award**
Invited symposium speaker at ECOP 2019
2018 **Karl-Gottlieb-Grell Award for an outstanding PhD Thesis, DGP**
2017 Holz-Conner Award, ISOP
2016 Holz-Conner Award, ISOP
2nd award for the best student presentation, DGP
2nd award for the best poster presentation, DGP
Honourably mentioned for the best student presentations and posters, ISOP
2015 **1st award for the best student presentation, DGP**

Foreign work experience & linguistic proficiency

I am a German native speaker and speak English at an excellent level. I worked in three foreign countries:
- University **São Paulo, Brazil (7 months)**
- University of **Saskatchewan, Canada (3 months)**
- University of **Neuchâtel, Switzerland (2 months)**

Professional Memberships

- **ISOP – International Society of Protistologists:** Part of the Membership Committee
- **DGP – German Society of Protozoology**
- **EukRef Initiative:** Curator of the Thecofilosea, Cercozoa, Rhizaria
- **British Phycological Society**

Software & Programming Proficiency

Absolvent of the 8th **Course in Programming for Evolutionary Biology Course, Berlin.**

- Bash/Linux-based command line and script writing
  - Managing a Linux server
  - Analyses of environmental sequencing data (eukaryotes & prokaryotes)
  - Analyses in comparative transcriptomics
- R
  - Statistics in microbial ecology
- Phylogenetics in a variety of programs (RAxML, mafft, ...)
- Scientific illustration
  - Adobe Illustrator & Photoshop
- Microsoft office

Awards and honours of supervised students

My 1:1 teaching expertise is evidenced by the large number of awards my students achieved:

2021	Jule Freudenthal	-	**Klaus-Liebrecht-Award, Math.-Nat. Faculty, University of Cologne**
2020	Nina Pohl	-	Best Poster Presentation Award, DGP
	Marcel Solbach	-	3rd Place Best Student Presentation Award, DGP
2019	Hüsna Öztoprak	-	3rd Place Poster Presentation Award, DGP
			Holz-Conner Award, ISOP
	Marcel Solbach	-	Holz-Conner Award, ISOP
2018	Christopher Kahlich	-	**Gordon and Betty Moore Foundation Award**
			Holz Conner Award, ISOP
			Jahn/Bovee Award, ISOP

Additional Qualifications

- 7 years experience as **laboratory safety advisor**
- 3 years experience as **laboratory leader and laboratory safety manager (BBS)**
- First aid assistance
- Driving license (Category B)
- **Fishing license**
- **Diving license (CMAS open water diver)**

Previous appeal processes

I was invited for hearings in Geisenheim & Duisburg-Essen, Germany and Innsbruck, Austria.

Further Interests

- Fishing
- Traveling
- Hiking
- Aquaristics
- Farming

Dr. Kenneth Dumack

For further information please visit my website: www.kennethdumack.de

List of extramural funds

Acquired extramural funds (projects)

220,000 € Leading applicant in a DFG-Research-Project 2021 – 2024
Algivorous Cercozoa shape the community composition of cryptogamic covers, the dominant vegetation in Polar Regions.

252,000 € Co-applicant in a DFG-Research-Project 2021 – 2024
Deep molecular characterization of eukaryotic microorganisms´ diversity and community composition in forest soils and the canopy region using a metatranscriptomics approach.

38,000 € Leading applicant in a DFG-Scholarship 2018
Investigating the evolutionary relationships of Arcellinida by single-cell phylogenomics of *Phryganella* (Arcellinida, Amoebozoa).

1 Genome Leading applicant in an ERGA Consortium Genome sequencing proposal 2021
No financial resources were attributed to me in a traditional sense, but all costs for HiFi quality genome sequencing of *Rhogostoma pseudocylindrica* are waived by the ERGA consortium and several collaborating sequencing centers.

Submitted proposals for extramural funds (projects)

260,000 € Leading applicant in a DFG-Research-Project (submitted, decision pending)
Comprehensive characterization of endosymbiotic bacteria in wastewater via metatranscriptomics

230,000€ Leading applicant in a DFG-Research-Project (submitted, decision pending)
The Cryomonadida – Ecology, Evolution, and Biogeography of Dominant Parasitoids of Polar Algae.

Acquired extramural funds (travel awards)

5,000 € **Taxon-omics seed money grant** – DFG SPP 1991
3,400 € Travel Grant South Africa **–** *Tswalu foundation*
1,000 € **FEMS Young Investigator Award** – *FEMS*
5,500 € Mobility Award **–** *University of Cologne*
1,500 € Holz-Conner Award – *International Society of Protistologists*
1,000 € Holz-Conner Award – *International Society of Protistologists*
1,000 $ Travel Grant – *University of Saskatchewan*
250 € Mobility Award – *German Society for Protozoology*

Five most important publications

1. PI of the study, Impact Factor 16.84

Freudenthal, J., Ju, F., Bürgmann, H., **Dumack, K.** 2022. Microeukaryotic gut parasites in wastewater treatment plants: Diversity, activity, and removal. ***Microbiome*** 10:27.

https://doi.org/10.1186/s40168-022-01225-y

2. PI of the study, Impact Factor 13.40

Pohl, N., Solbach, M.D., **Dumack, K.** 2021. The wastewater protist *Rhogostoma minus* (Thecofilosea, Rhizaria) is abundant, widespread, and hosts Legionellales. ***Water Research*** 203:117566.

https://doi.org/10.1016/j.watres.2021.117566

3. PI of the study, Impact Factor 6.07

Solbach, M.D., Bonkowski, M., **Dumack, K.,** 2021. Novel Endosymbionts in Rhizarian Amoebae Imply Universal Infection of Unrelated Free-Living Amoebae by Legionellales. ***Frontiers in Cellular and Infection Microbiology*** 11:642216

https://doi.org/10.3389/fcimb.2021.642216

4. Leading author of the study, Impact Factor 8.68

Dumack, K., Fiore-Donno, A.M., Bass, D., Bonkowski, M., 2019. Making sense of environmental sequencing data: ecologically important functional traits of the protistan groups Cercozoa and Endomyxa (Rhizaria). ***Molecular Ecology Resources*** 20: 398– 403.

https://doi.org/10.1111/1755-0998.13112

5. Supporting author of the study, Impact Factor 10.86

Seppey, C.V.W., Singer, D., **Dumack, K.,** Fournier, B., Mitchell, E.A.D., Lara, E., 2017. Distribution patterns of soil microbial eukaryotes suggest widespread algivory by phagotrophic protists as an alternative pathway for nutrient cycling. ***Soil Biology & Biochemistry*** 112, 68–76.

https://doi.org/10.1016/j.soilbio.2017.05.002

Complete publication list of PD Dr. Kenneth Dumack

**indicates the status of the corresponding author*

53. Nguyen, B-A. T., **Dumack, K.,** Trivedi, P., Islam Z., Hu, H-W., 2022. "Plant associated protists — Untapped promising candidates for agrifood tools" Environmental Microbiology 1-12.

Impact Factor 5.48

https://doi.org/10.1111/1462-2920.16303

52. **Dumack, K.*,** Feng, K., Flues, S., Sapp, M., Schreiter, S., Grosch, R., Rose, L., Deng, Y., Smalla, K., Bonkowski, M., 2022. "What drives the assembly of plant-associated protist microbiomes?" Protist, in press

Impact Factor 2.66

https://doi.org/10.1016/j.protis.2022.125913

51. Roy, J., Mazel, F., **Dumack, K.,** Bonkowski, M., Rillig, MC., 2022. Env. Microbiol. 1-11.

Impact Factor 5.48

https://doi.org/10.1111/1462-2920.16134

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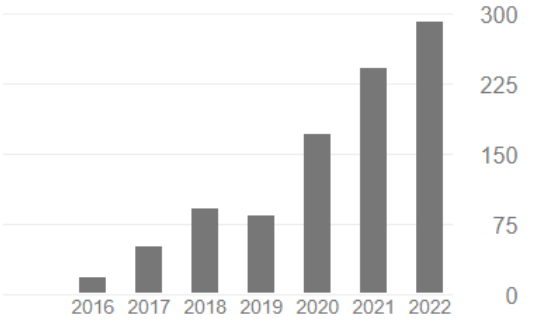

Fig. 6: Citation report extracted from Google Scholar (18.12.2022)

50. **Dumack, K.***, Gerdzhikov, D., Klisarova, D., 2022. Phylogenetic analysis confirms the taxonomic placement of the marine flagellate *Hermesinum adriaticum* (Thecofilosea, Cercozoa, Rhizaria). J. Eukaryot. Microbiol. 69:e12905.

Impact Factor 3.88

https://doi.org/10.1111/jeu.12905

49. Freudenthal, J., Ju, F., Bürgmann, H., **Dumack, K.*,** 2022. Microeukaryotic gut parasites in wastewater treatment plants: Diversity, activity and removal. *Microbiome* 10:27.

Impact Factor 16.84

https://doi.org/10.1186/s40168-022-01225-y

48. **Dumack, K.***, Ferlian, O., Gysi, D.M., Degrune, F., Jauss, R-T., Walden, S., Öztoprak, H., Wubet, T., Bonkowski, M., Eisenhauer, N., 2022. Contrasting protist communities (Cercozoa: Rhizaria) in pristine and earthworm-invaded North American deciduous forests. *Biol. Invasions*

Impact Factor 3.13

https://doi.org/10.1007/s10530-021-02726-x

47. **Dumack, K.***, Siemensma, F., Clauß, S., 2021. Transfer of the thecate amoebae *Lecythium spinosum* and *Pamphagus armatus* to *Rhizaspis* (Thecofilosea, Cercozoa, Rhizaria). Eur. J. Protistol. 125843.

Impact Factor 3.47

https://doi.org/10.1016/j.ejop.2021.125843

46. Hu, J., Tsegaye Gebremikael, M., Tytgat, B., **Dumack, K.**, Hassi, U., Salehi Hosseini, P., Sleutel, S., Verleyen, E., De Neve, S., 2021. Combined selective gamma irradiation and pulverized soil inoculation for ecologically relevant soil microfauna studies Appl. Soil Ecol. 169:104223.

Impact Factor 4.05

https://doi.org/10.1016/j.apsoil.2021.104223

45. Wang, H., Weil, M., **Dumack, K.**, Zak, D., Münch, D., Günther, A., Jurasinski, G., Blume-Werry, G., Kreyling, J., Urich, T., 2021. Eukaryotic rather than prokaryotic microbiomes change over seasons in rewetted fen peatlands. FEMS Microbiol. Ecol. 97:1–12.

Impact Factor 4.19

https://doi.org/10.1093/femsec/fiab121

44. Pohl, N., Solbach, M.D., **Dumack, K.*,** 2021. The wastewater protist *Rhogostoma minus* (Thecofilosea, Rhizaria) is abundant, widespread, and hosts Legionellales. Water Res. 203:117566.

Impact Factor 13.40

https://doi.org/10.1016/j.watres.2021.117566

43. Huang, X., Wang, J., Li, Y., **Dumack, K.,** Liu, W., Zhang, Q., He, Y., Di, H., Bonkowski, M., Xu, J., 2021. Protists modulate fungal community assembly in paddy soils across climatic zones at the continental scale. Soil Biol. Biochem.

Impact Factor 8.55

https://doi.org/10.1016/j.soilbio.2021.108358

42. Walden, S., Jauss, R.-T., Feng, K., Fiore-Donno, A.M., **Dumack, K.,** Schaffer, S., Wolf, R., Schlegel, M., Bonkowski, M., 2021. On the phenology of protists: Recurrent patterns reveal seasonal variation of protistan (Rhizaria: Cercozoa, Endomyxa) communities in tree canopies. FEMS Microbiol. Ecol. 2021.02.15.431229.

Impact Factor 4.19

https://doi.org/10.1101/2021.02.15.431229

41. **Dumack, K.*,** Sapp, M., von Steimker, T., Mänz, A.T., Rose, L.E., Bonkowski, M., 2021. A call for research: A resource of core microbial symbionts of the *Arabidopsis thaliana* microbiome ready and awaiting experimental exploration., Phytobiomes J. 0:1–5.

Impact Factor 3.64

https://doi.org/10.1094/pbiomes-11-20-0080-a

40. Solbach, M.D., Bonkowski, M., **Dumack, K.***, 2021. Novel Endosymbionts in Rhizarian Amoebae Imply Universal Infection of Unrelated Free-Living Amoebae by Legionellales. Front. Cell. Infect. Microbiol. 11:642216.

Impact Factor 6.07

https://doi.org/10.3389/fcimb.2021.642216

39. Rüger, L., Feng, K. **Dumack, K.,** Freudenthal J., Chen, Y., Sun, R., Wilson, M., Yu, P., Sun, B., Deng, Y., Hochholdinger, F., Vetterlein, D., Bonkowski, M., 2021. Assembly Patterns of the Rhizosphere Microbiome Along the Longitudinal Root Axis of Maize (*Zea mays* L.), Front. Microbiol. 12:237.

Impact Factor 6.06

https://doi.org/10.3389/fmicb.2021.614501

38. Khanipour Roshan, S., **Dumack, K.,** Bonkowski, M., Leinweber, P., Karsten, U., Glaser, K., 2021. Taxonomic and functional diversity of heterotrophic protists (Cercozoa and Endomyxa) in biological soilcrusts. Microorganisms 9:205

Impact Factor 4.93

https://doi.org/10.3390/microorganisms9020205

37. **Dumack, K.*,** Bonkowski, M., 2021. Protists in the Plant Microbiome: An Untapped Field of Research In: Carvalhais L.C., Dennis P.G. (eds) The Plant Microbiome. Methods in Molecular Biology, vol 2232. Humana, New York

https://doi.org/10.1007/978-1-0716-1040-4_8

36. Jauss, R., Walden, S., Fiore-Donno, A., **Dumack, K.,** Schaffer, S., Wolf, R., Schlegel, M., Bonkowski, M., 2020. From forest soil to the canopy: Increased habitat diversity does not increase species richness of Cercozoa and Oomycota in tree canopies. Front. Microbiol. 11:3364

Impact Factor 6.06

https://doi.org/10.3389/fmicb.2020.592189

35. **Dumack, K.*,** Duckert, C., Meinhardt, R., Lara, E., Bonkowski, M., 2020. Description of *Phaeobola aeris* gen. nov., sp. nov (Rhizaria, Cercozoa, Euglyphida) Sheds Light on Euglyphida's Dark Matter. J. Eukaryot. Microbiol. 1–5.

Impact Factor 3.88

https://doi.org/10.1111/jeu.12835

34. Siemensma, F., Holzmann, M., Apothéloz-Perret-Gentil, L., Clauss, S., Völcker, E., Bettighofer, W., Roshan, S.K., Walden, S., **Dumack, K.,** Pawlowski, J., 2020. Broad sampling of monothalamids (Rhizaria, Foraminifera) gives further insight into diversity of non-marine foraminifera. Eur. J. Protistol. 77:125744.

Impact Factor 3.47

https://doi.org/10.1016/j.ejop.2020.125744

33. Khanipour Roshan, S., **Dumack, K.,** Bonkowski, M., Karsten, U., Glaser, K., 2020. Stramenopiles and Cercozoa dominate the heterotrophic protist community of biological soil crusts irrespective of edaphic factors. Pedobiologia. 83, 150673.

Impact Factor 1.81

https://doi.org/10.1016/j.pedobi.2020.150673

32. Öztoprak, H., Walden, S., Heger, T., Bonkowski, M., **Dumack, K.*,** 2020. What drives the diversity of the most abundant terrestrial cercozoan family (Rhogostomidae, Cercozoa, Rhizaria)? Microorganisms 8, 1–16.

Impact Factor 4.93

https://doi.org/10.3390/microorganisms8081123

31. Lara, E., **Dumack, K.,** García –Martín, J.M., Kudryavtsev, A., Kosakyan, A., 2020. Amoeboid protist systematics: a report on the "Systematics of amoeboid protists" symposium at the VIIIth ECOP/ISOP meeting in Rome, 2019. Eur. J. Protistol.

Impact Factor 3.47

https://doi.org/10.1016/j.ejop.2020.125727

30. **Dumack, K.*,** Görzen, D., González-Miguéns, R., Siemensma, F., Lahr, D.J.G., Lara, E., Bonkowski, M., 2020. Molecular investigation of *Phryganella acropodia* Hertwig et Lesser, 1874 (Arcellinida, Amoebozoa). Eur. J. Protistol. 75, 125707.

Impact Factor 3.47

https://doi.org/10.1016/j.ejop.2020.125707

29. Rossmann, M., Pérez-Jaramillo, J.E., Kavamura, V.N., Chiaramonte, J.B., **Dumack, K.,** Fiore-Donno, A.M., Mendes, L.W., Ferreira, M.C., Bonkowski, M., Raaijmakers, J.M., Mauchline, T.H., Mendes, R., 2020. Multitrophic interactions in the rhizosphere microbiome of wheat: from bacteria and fungi to protists. FEMS Microbiol. Ecol. 96, fiaa032.

Impact Factor 4.19

https://doi.org/10.1093/femsec/fiaa032

28. **Dumack, K.*,** Siemensma, F., 2020. "Shell Colour in Cercozoa; a Simple Trait to Distinguish Thecofilosea from Imbricatea?" Protist 171

Impact Factor 2.66

https://doi.org/10.1016/j.protis.2020.125718

27. **Dumack, K.*,** Pundt, J., Bonkowski, M., 2019. "Transfer of the Thecate Amoeba *Lecythium mutabilis* to a Novel Genus *Omnivora* (Fiscullidae, Thecofilosea, Cercozoa)" J. Eukaryot. Microbiol. 67: 245-251.

Impact Factor 3.88

https://doi.org/10.1111/jeu.12778

26. Siemensma, F., **Dumack, K.*,** 2019. "SSU rDNA Phylogeny Indicates the Scale-lacking Trivalvulariida ord. nov. as a Sister Group to the Euglyphida (Cercozoa, Rhizaria)" Protist 171

Impact Factor 2.66

https://doi.org/10.1016/j.protis.2019.125701

25. **Dumack, K.*,** Fiore-Donno, A.M., Bass, D., Bonkowski, M., 2019. Making sense of environmental sequencing data: ecologically important functional traits of the protistan groups Cercozoa and Endomyxa (Rhizaria). Mol. Ecol. Resour. 20: 398– 403.

Impact Factor 8.68

https://doi.org/10.1111/1755-0998.13112

24. Ntakou, E., Siemensma, F., Bonkowski, M., **Dumack, K.*,** 2019. The Dancing Star: Reinvestigation of *Artodiscus saltans* (Variosea, Amoebozoa) Penard 1890. Protist 170:349-357.

Impact Factor 2.66

https://doi.org/10.1016/j.protis.2019.06.002

23. Fiore-Donno, A.M., Richter-Heitmann, T., Degrune, F., **Dumack, K.,** Regan, K.M., Marhan, S., Boeddinghaus, R.S., Rillig, M.C., Friedrich, M.W., Kandeler, E., Bonkowski, M., 2019. Functional Traits and Spatio-Temporal Structure of a Major Group of Soil Protists (Rhizaria: Cercozoa) in a Temperate Grassland. Front. Microbiol. 10, 1–12.

Impact Factor 6.06

https://doi.org/10.3389/fmicb.2019.01332

22. Bonkowski, M., **Dumack, K.,** Fiore-Donno, A.M., 2019. The protists in soil – a token of untold eukaryotic diversity in Modern Soil Microbiology, eds J. D. van Elsas, J. T. Trevors, A. Soares Rosado, and P. Nannipieri (Boca Raton, FL: CRC Press).

https://doi.org/10.1201/9780429059186

21. Degrune, F., **Dumack, K.,** Fiore-Donno, A.M., Bonkowski, M., 2019. Distinct communities of Cercozoa at different soil depths in a temperate agricultural field. FEMS Microbiol. Ecol. 95.

Impact Factor 4.19

https://doi.org/10.1093/femsec/fiz041

20. Valencia, E., Gross, N., Quero, J.L., Carmona, C.P., Ochoa, V., Gozalo, B., Delgado-Baquerizo, M., **Dumack, K.,** Hamonts, K., Singh, B.K., Bonkowski, M., Maestre, F.T., 2018. Cascading effects from plants to soil microorganisms explain how plant species richness and simulated climate change affect soil multifunctionality. Glob. Chang. Biol. 24, 5642–5654.

Impact Factor 10.86

https://doi.org/10.1111/gcb.14440

19. **Dumack, K.*,** Pundt, J., Bonkowski, M., 2018. Food Choice Experiments Indicate Selective Fungivorous Predation in *Fisculla terrestris* (Thecofilosea, Cercozoa). J. Eukaryot. Microbiol. 66, 525–527.

Impact Factor 3.88

https://doi.org/10.1111/jeu.12680

18. **Dumack, K.*,** Kahlich, C., Lahr, D.J.G., Bonkowski, M., 2018. Reinvestigation of *Phryganella paradoxa* (Arcellinida, Amoebozoa) Penard 1902. J. Eukaryot. Microbiol. 66, 232–243.

Impact Factor 3.88

https://doi.org/10.1111/jeu.12665

17. Bui, V., **Dumack, K.,** Bonkowski, M., 2018. Two new species and one new record for the genus *Copris* (Coleoptera: Scarabaeidae: Scarabaeinae) from Vietnam with a key to Vietnamese species. Eur. J. Entomol. 115, 167–191.

Impact Factor 1.37

https://doi.org/10.14411/eje.2018.016

16. Flues, S., Blokker, M., **Dumack, K.,** Bonkowski, M., 2018. Diversity of Cercomonad Species in the Phyllosphere and Rhizosphere of Different Plant Species with a Description of *Neocercomonas epiphylla* (Cercozoa , Rhizaria) a Leaf-Associated Protist. J. Eukaryot. Microbiol. 65, 587–599.

Impact Factor 3.88

https://doi.org/10.1111/jeu.12503

15. **Dumack, K.*,** Siemensma, F., Bonkowski, M., 2018. Rediscovery of the Testate Amoeba Genus Penardeugenia (Thaumatomonadida, Imbricatea). Protist 169, 29–42.

Impact Factor 2.66

https://doi.org/10.1016/j.protis.2017.12.002

14. **Dumack, K.*,** Bonkowski, M., Clauß, S., Völcker, E., 2018. Phylogeny and Redescription of the Testate Amoeba *Diaphoropodon archeri* (Chlamydophryidae, Thecofilosea, Cercozoa), De Saedeleer 1934 , and Annotations on the Polyphyly of Testate Amoebae with Agglutinated Tests in the Cercozoa. J. Eukaryot. Microbiol. 65, 308–314.

Impact Factor 3.88

https://doi.org/10.1111/jeu.12474

13. Nguyen, T., Abolafia, J., **Dumack, K.,** Bonkowski, M., Peña-Santiago, R., 2017. Two known species of *Aporcelinus* Andrássy, 2009 (Dorylaimida: Aporcelaimidae) from Vietnam, with the first molecular study of the genus. Nematology 19, 853–868.

Impact Factor 1.44

https://doi.org/10.1163/15685411-00003092

12. **Dumack, K.*,** Flues, S., Hermanns, K., Bonkowski, M., 2017. Rhogostomidae (Cercozoa) from soils, roots and plant leaves (*Arabidopsis thaliana*): Description of *Rhogostoma epiphylla* sp. nov. and R. cylindrica sp. nov. Eur. J. Protistol. 60, 76–86.

Impact Factor 3.47

https://doi.org/10.1016/j.ejop.2017.06.001

11. **Dumack, K.*,** Mylnikov, A.P., Bonkowski, M., 2017. Evolutionary Relationship of the Scale Bearing *Kraken* (incertae sedis, Monadofilosa, Cercozoa, Rhizaria): Combining Ultrastructure Data and a Two-Gene Phylogeny. Protist 168, 362–373.

Impact Factor 2.66

https://doi.org/10.1016/j.protis.2017.04.004

10. **Dumack, K.*,** Mausbach, P., Hegmann, M., Bonkowski, M., 2017. Polyphyly in the Thecate Amoeba Genus Lecythium (Chlamydophryidae, Tectofilosida, Cercozoa), Redescription of its Type Species *L. hyalinum*, Description of *L. jennyae* sp. nov. and the Establishment of *Fisculla* gen. nov. and *Fiscullidae* fam. nov. Protist 168, 294–310.

Impact Factor 2.66

https://doi.org/10.1016/j.protis.2017.03.003

9. Seppey, C.V.W., Singer, D., **Dumack, K.,** Fournier, B., Mitchell, E.A.D., Lara, E., 2017. Distribution patterns of soil microbial eukaryotes suggests widespread algivory by phagotrophic protists as an alternative pathway for nutrient cycling. Soil Biol. Biochem. 112, 68–76.

Impact Factor 8.55

https://doi.org/10.1016/j.soilbio.2017.05.002

8. **Dumack, K.*,** Öztoprak, H., Rüger, L., Bonkowski, M., 2017. Shedding Light on the Polyphyletic Thecate Amoeba Genus *Plagiophrys*: Transition of Some of its Species to *Rhizaspis* (Tectofilosida, Thecofilosea , Cercozoa) and the Establishment of *Sacciforma* gen. nov. and Rhogostomidae fam. nov. (Cryomonadida, Thecofilosea). Protist 168, 92–108.

Impact Factor 2.66

https://doi.org/10.1016/j.protis.2016.11.004

7. Tice, A.K., Shadwick, L.L., Fiore-Donno, A.M., Geisen, S., Kang, S., Schuler, G.A., Spiegel, F.W., Wilkinson, K.A., Bonkowski, M., **Dumack, K.,** Lahr, D.J.G., Voelcker, E., Clauß, S., Zhang, J., Brown, M.W., 2016. Expansion of the molecular and morphological diversity of Acanthamoebidae (Centramoebida, Amoebozoa) and identification of a novel life cycle type within the group. Biol. Direct.

Impact Factor 7.17

https://doi.org/10.1186/s13062-016-0171-0

6. **Dumack, K.*,** Baumann, C., Bonkowski, M., 2016. A Bowl with Marbles: Revision of the Thecate Amoeba Genus *Lecythium* (Cercozoa, Rhizaria) Including a Description of Four New Species and an Identification Key. Protist 167, 440–459.

Impact Factor 2.66

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