

Curriculum Vitae

Name Yasen Mutafchiev

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Employment 2017–on going: Pensoft Publishers
2015–2017: Associate Professor (Senior Researcher), Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences
2010–2017: Curator of the Animal Parasitic Nematode Collection at the Institute of Biodiversity and Ecosystems Research
2010–2015: Chief Assistant, Department of Animal Diversity and Resources, Institute of Biodiversity and Ecosystem Research
2005: Biologist, Department of Biodiversity, Central Laboratory of General Ecology, Bulgarian Academy of Sciences

Education 2009: PhD in Parasitology, Central Laboratory of General Ecology; Thesis: Species diversity of the nematodes of superfamily Acuarioidea (Spirurida) in Bulgaria. (Supervisor: Prof Boyko B. Georgiev, DSc)
2005: MSc in Invertebrate Zoology, Faculty of Biology, Sofia University "St. Kliment Ohridski"

Research interests

Morphology, taxonomy and evolution of zooparasitic nematodes

Postdoctoral training

- Muséum National d'Histoire Naturelle, Paris (10.05–8.07.2010), postdoctoral training. (Dr O. Bain)
- Département des Invertébrés, Muséum d'Histoire Naturelle, Ville de Genève (1.10.2013–30.09.2014), granted by SCIEX programme. Project: *Diversity and phylogenetic relationships within the parasitic nematode family Acuariidae*. (Prof J. Mariaux)

Research visits

- University of Bari, Italy (02.10–21.12.2015), as Invited Professor, hosted by Prof D. Otranto
- Muséum National d'Histoire Naturelle, Paris (1.03–31.05.2013), Invited Professor, hosted by Dr C. Martin
- University of Bari, Italy (19.01–2.02.2013), invited by Prof D. Otranto
- Museum für Naturkunde, Berlin (28.05–18.06.2012), granted by Synthesys 2, EC; Project: *Examination of type and voucher materials of the families Habronematidae and*

Tetrameridae (Nematoda, Spirurida, Habronematoidea) deposited in the Museum für Naturkunde Berlin

- Muséum National d'Histoire Naturelle, Paris (15.11–15.12.2011), Invited Professor, hosted by Dr O. Bain
- Muséum National d'Histoire Naturelle, Paris (1.10–31.10.2011), Invited Professor, hosted by Dr O. Bain
- Muséum National d'Histoire Naturelle, Paris (1.07–31.07.2011), Invited Professor, hosted by Dr O. Bain
- Muséum National d'Histoire Naturelle, Paris (9.06–30.06.2011), granted by Synthesys 2, EC; Project: *Morphological examination of acuariid nematodes (Nematoda, Spirurida) deposited in the Muséum National d'Histoire Naturelle, Paris*
- Naturhistorisches Museum Wien (11.04–2.05.2010), granted by Synthesys 2, EC; Project: *Morphology examination of specimens of the family Acuariidae (Nematoda: Spirurida) deposited in the Natural History Museum of Vienna*
- Département des Invertébrés, Muséum d'Histoire Naturelle, Ville de Genève (2.11–14.11.2009), invited by Prof J. Mariaux
- Museum für Naturkunde, Berlin (18.11–14.12.2007), granted by Synthesys, EC; Project: *Examination of the type specimens of the Acuarioidea (Nematoda) deposited in the Museum für Naturkunde, Berlin and morphological study on other acuarioideans*

Training Schools

- *Phylogenetic and Population Genetics Tools for Vectors and Vector-Borne Pathogens*, held at the Institute of Hygiene and Tropical Medicine, Lisbon, Portugal, January 23–27 January 2017
- *Basic Molecular Evolution and Phylogenetics*, held at the Institute of Biodiversity and Ecosystem Research, Sofia, Bulgaria, 12–16 March 2012
- *Molecular Taxonomy, Phylogeny and Ecology*, held at the Central Laboratory of General Ecology, Sofia, Bulgaria, 22–26 February 2010
- *Spring School on Molecular Approaches in Ecology and Evolution*, held in Central Laboratory of General Ecology, Sofia, Bulgaria, 3-7 April 2006

Molecular biology DNA extraction, primer design, PCR, multiple sequence alignment and analysis

Computer skills MS Office, Adobe Photoshop, Adobe Illustrator, FileMaker (Database software), Windows and Macintosh OS

Supporter names

- Prof Boyko B. Georgiev, DSc, Institute of Biodiversity and Ecosystem Research; e-mail: bbg@ecolab.bas.bg; phone: +359 28705012
- Dr Aneta Kostadinova, Editor-in-Chief of Systematic Parasitology and Parasites and Vectors, Institute of Parasitology, Biology Centre of the Academy of Sciences of the Czech Republic; e-mail: aneta.kostadinova@uv.es; phone: +420-38-7775486
- Prof Domenico Otranto, PhD, Department of Veterinary Medicine University of Bari, Italy, e-mail: domenico.otranto@uniba.it; phone: +390 804679839
- Dr Bronwyn E. Campbell, Department of Applied Science, Host-Microbe Interactions, RMIT University, Australia; e-mail: bronwyn.campbell@rmit.edu.au

Publications

- Stoyanov B., Mutafchiev Y., Pankov P., Georgiev B.B. (2017) Helminth parasites in the alien *Lepomis gibbosus* (L.) (Centrarchidae) from the Lake Atanasovsko Wetlands, Bulgaria: survey of species and structure of helminth communities. *Acta Zoologica Bulgarica* 69 (4): 555–574 ([link](#))
- Junker K., Mutafchiev Y. (2017) *Typhlophoros kwenae* n. sp. (Nematoda: Ascaridida: Heterocheilidae), a gastric parasite from the Nile crocodile *Crocodylus niloticus* Laurenti (Reptilia: Crocodylidae) in South Africa. *Systematic Parasitology*, 94, 971–978. [DOI:10.1007/s11230-017-9757-x](https://doi.org/10.1007/s11230-017-9757-x)
- Junker K., Mutafchiev Y. (2017) *Ingwenascaris* n. g. (Nematoda: Ascaridida: Heterocheilidae) established for *I. sprengi* n. sp. and *I. asymmetrica* (Ortlepp, 1932) n. comb., parasites of African crocodiles and an identification key to the genera of Heterocheilidae. *Systematic Parasitology*, 94, 849–859. [DOI:10.1007/s11230-017-9748-y](https://doi.org/10.1007/s11230-017-9748-y)
- Junker K., Mutafchiev Y. (2017) *Micropleura huchzermeyeri* n. sp. (Camallanida: Dracunculoidea: Micropleuridae) from the Nile crocodile, *Crocodylus niloticus* Laurenti (Reptilia: Crocodylidae), in South Africa. *Systematic Parasitology*, 94: 785–795. [DOI:10.1007/s11230-017-9742-4](https://doi.org/10.1007/s11230-017-9742-4)
- Lefoulon E., Giannelli A., Makepeace B.L., Mutafchiev Y., Townson S., Uni S., Verocai G.G., Otranto D., Martin C. (2017) Whence river blindness? The domestication of mammals and host-parasite co-evolution in the nematode genus *Onchocerca*. *International Journal for Parasitology*, 47, 457–470. [DOI:10.1016/j.ijpara.2016.12.009](https://doi.org/10.1016/j.ijpara.2016.12.009)
- Junker K., Lutermann J., Mutafchiev Y. (2017) A new ascaridid nematode, *Mammalakis zambiensis* n. sp. (Heterakoidea: Kiwinematidae), from the mole rat *Fukomys anselli* (Burda, Zima, Scharff, Macholán & Kawalika) (Rodentia: Bathyergidae) in Zambia. *Systematic Parasitology*, 94, 557–566. [DOI:10.1007/s11230-017-9721-9](https://doi.org/10.1007/s11230-017-9721-9)
- Mutafchiev Y., Mariaux J., Georgiev B.B. (2017) Description of *Acuaria europaea* n. sp. (Spirurida: Acuariidae) from *Dendrocopos syriacus* (Hemprich & Ehrenberg) and *Oriolus oriolus* (L.) (Aves) in Europe, with results of re-examination of related European species of *Acuaria* Bremser, 1811. *Systematic Parasitology*, 94: 201–214. [DOI:10.1007/s11230-016-9695-z](https://doi.org/10.1007/s11230-016-9695-z)
- Lia R.P., Mutafchiev Y., Veneziano V., Giannelli A., Abramo F., Santoro M., Latrofa M.S., Cantacessi C., Martin C., Otranto D., Bertuglia A., Riccio B. (2017) Filarial infection caused by *Onchocerca boehmi* (Supperer, 1953) in a horse from Italy. *Parasitology Research*, 116: 191–198. [DOI:10.1007/s00436-016-5277-x](https://doi.org/10.1007/s00436-016-5277-x)
- Mutafchiev Y. (2016) Descriptions of two new species of *Quasithelazia* Maplestone, 1932 (Spirurida: Acuariidae) and a redescription of *Alinema sturni* Jögis, 1968 from birds in Australia. *Systematic Parasitology*, 93: 539–550. [DOI:10.1007/s11230-016-9650-z](https://doi.org/10.1007/s11230-016-9650-z)
- Colella V., Mutafchiev Y., Cavalera M.A., Giannelli A., Lia R.P., Dantas-Torres F., Otranto D. (2016) Development of *Crenosoma vulpis* in the common garden snail *Cornu aspersum*: implications for epidemiological studies. *Parasites & Vectors*, 9:208. [DOI:10.1186/s13071-016-1483-8](https://doi.org/10.1186/s13071-016-1483-8) [Open access](#)
- Lefoulon E., Bain O., Bourret J., Junker K., Guerrero R., Cañizales I., Kuzmin Y., Satoto T.B.T, Cardenas J.M., de Souza Lima S., Raccurt C., Mutafchiev Y., Gavotte L., Martin C. (2015) Shaking the tree: Multi-locus sequence typing usurps current onchocercid (filarial nematode) phylogeny. *PLOS Neglected Tropical Diseases*, [DOI:10.1371/journal.pntd.0004233](https://doi.org/10.1371/journal.pntd.0004233) [Open access](#)
- Junker K., Mariaux J., Measey G.J., Mutafchiev Y. (2015) *Meteterakis saotomensis* n. sp. (Nematoda: Heterakidae) from *Schistometopum thomense* (Bocage) (Gymnophiona:

- Dermophiidae) on São Tomé Island. *Systematic Parasitology*, 92: 131–139. DOI:10.1007/s11230-015-9588-6
- Latrofa M.S., Lia R.P., Giannelli A., Colella V., Santoro M., D'Alessio N., Gentilini F., Campbell B.E., Parisi A., Dantas-Torres F., Mutafchiev Y., Veneziano V., Otranto D. (2015) *Crenosoma vulpis* in wild and domestic carnivores from Italy: a morphological and molecular study. *Parasitology Research*, 114: 3611–3617. DOI:10.1007/s00436-015-4583-z
- Redón S., Berthelemy N.J., Mutafchiev Y., Amat F., Georgiev B.B., Vasileva G.P. (2015) Helminth parasites of *Artemia franciscana* (Crustacea, Branchiopoda) in the Great Salt Lake, Utah: first data from the native range of this invader in European wetlands. *Folia Parasitologica*, 62:030. DOI:10.14411/fp.2015.030 [Open access](#)
- Bain O., Mutafchiev Y., Junker K., Guerrero R., Martin C., Lefoulon E., Uni S. (2015) Review of the genus *Mansonella* Faust, 1929 *sensu lato* (Nematoda: Onchocercidae), with descriptions of a new subgenus and a new subspecies. *Zootaxa*, 3918: 151–193. DOI:10.11646/zootaxa.3918.2.1 [Open access](#)
- Mutafchiev Y., Mariaux J., Georgiev B.B. (2015) *Stammerinema hyalinum* n. comb. for *Filaria hyalina* von Linstow, 1890 and its recognition as a senior synonym of *Stammerinema rhopalocephalum* (Soltys, 1952) (Spirurida: Acuariidae), a parasite of shrews. *Systematic Parasitology*, 90: 105–111. DOI:10.1007/s11230-014-9540-1
- Lefoulon E., Kuzmin Y., Plantard O., Mutafchiev Y., Otranto D., Martin C., Bain O. (2014) Redescription of *Cercopithifilaria rugosicauda* (Böhm & Supperer, 1953) (Spirurida: Onchocercidae) of roe deer, with an emended diagnosis of the genus *Cercopithifilaria* and a genetic characterisation. *Parasitology International*, 63: 808–816. DOI:10.1016/j.parint.2014.07.011
- Mutafchiev Y., Mariaux J., Georgiev B.B. (2014) Description of *Proyseria petterae* n. sp., with an amended generic diagnosis and a review of the species of *Proyseria* Petter, 1959 and *Stegophorus* Wehr, 1934 (Nematoda: Acuariidae). *Systematic Parasitology*, 89: 3–14. DOI:10.1007/s11230-014-9507-2
- Georgiev B.B., Angelov A., Vasileva G.P., Sánchez M.I., Hortas F., Mutafchiev Y., Pankov P., Green A.J. (2014) Larval helminths in the invasive American brine shrimp *Artemia franciscana* throughout its annual cycle. *Acta Parasitologica*, 59: 380–389. DOI:10.2478/s11686-014-0255-x
- Mutafchiev Y., Mariaux J., Georgiev B.B. (2014) Two new species of *Quasithelazia* Maplestone, 1932 (Nematoda: Acuariidae) from Malaysia, with an amended diagnosis and review of the genus. *Systematic Parasitology*, 88: 103–117. DOI:10.1007/s11230-014-9483-6
- Mutafchiev Y., Bain O., Williams Z., McCall J.W., Michalski M.L. (2014) Intra-peritoneal development of filarial nematode *Brugia malayi* in the Mongolian jird (*Meriones unguiculatus*). *Parasitology Research*, 113: 1827–1835. DOI:10.1007/s00436-014-3829-5 [Open access](#)
- Bain O., Mutafchiev Y., Junker K. (2014) Order Spirurida. In: Schmidt-Rhaesa, A. (Ed.) *Handbook of Zoology: Gastrotricha, Cycloneuralia and Gnathifera. Vol. 2. Nematoda*. De Gruyter: Berlin-Boston, pp. 661–732. DOI:10.1515/9783110274257.661
- Otranto D., Dantas-Torres F., Giannelli A., Abramo F., Ignjatović-Ćupina A., Petrić D., Cardoso L., Mutafchiev Y., Cortes H. (2013) Cutaneous distribution and circadian rhythm of *Onchocerca lupi* microfilariae in dogs. *PLoS Neglected Tropical Diseases*, 7: e2585. DOI:10.1371/journal.pntd.0002585
- Giannelli A., Ramos R.A.N., Annoscia G., Di Cesare A., Colella V., Brianti E., Dantas-Torres F., Mutafchiev Y., Otranto D. (2013) Development of the feline lungworms

- Aelurostrongylus abstrusus* and *Troglostrongylus brevior* in *Helix aspersa* snails. *Parasitology*, 141: 563–569. DOI:10.1017/S003118201300187X
- Mutafchiev Y., Dantas-Torres F., Giannelli A., Abramo F., Papadopoulos E., Cardoso L., Cortes H., Otranto D. (2013) Redescription of *Onchocerca lupi* (Spirurida: Onchocercidae), with histopathological observations. *Parasites & Vectors*, 6:309. DOI:10.1186/1756-3305-6-309 [Open access](#)
- Ramos R.A.N., Giannelli G., Dantas-Torres F., Mallia E., Passantino G., Lia R.P., Latrofa M.S., Mutafchiev Y., Otranto D. (2013) *Cercopithifilaria rugosicauda* (Spirurida, Onchocercidae) in a roe deer and ticks from southern Italy. *International Journal for Parasitology: Parasites and Wildlife*, 2: 292–296. DOI:10.1016/j.ijppaw.2013.09.009 [Open access](#)
- Junker K., Lane E.P., McRee A.E., Foggin C., van Dyk D.S., Mutafchiev Y. (2013) Two new species of *Cylicospirura* Vevers, 1922 (Nematoda: Spiroceridae) from carnivores in southern Africa, with validation of the related genera *Gastronodus* Singh, 1934 and *Skrjabinocercina* Matschulsky, 1952. *Folia Parasitologica*, 60: 339–352. [Open access](#)
- Mutafchiev Y., Kontrimavichus V.L., Georgiev B.B. (2013) Redescriptions and comments on the validity of *Acuaria subula* and *A. skrjabini* (Nematoda, Spirurida, Acuariidae), parasites of passerine birds. *Acta Parasitologica*, 53: 284–296. DOI:10.2478/s11686-013-0141-y
- Otranto D., Varcasia A., Solinas C., Scala A., Brianti E., Dantas-Torres F., Annoscia G., Martin C., Mutafchiev Y., Bain O. (2013) Redescription of *Cercopithifilaria bainae* Almeida et Vicente, 1984 (Spirurida, Onchocercidae) from a dog in Sardinia, Italy. *Parasites & Vectors*, 16:132. DOI:10.1186/1756-3305-6-132 [Open access](#)
- Otranto D., Brianti E., Dantas-Torres F., Miró G., Latrofa M.S., Mutafchiev Y., Bain O. (2013) Species diversity of dermal microfilariae of the genus *Cercopithifilaria* infesting dogs in the Mediterranean region. *Parasitology*, 140: 99–108. DOI:10.1017/S0031182012001357
- Gradinarov D., Petrova E., Mutafchiev Y., Karadjova O. (2012) Distribution of entomopathogenic nematodes of the genus *Heterorhabditis* (Rhabditida: Heterorhabditidae) in Bulgaria. *Nematologia Mediterranea*, 40: 173–180. [Open access](#)
- Fall E.H., Diagne M., Martin C., Mutafchiev Y., Granjon L., Ba K., Junker K., Bain O. (2012) *Trichosomoides nasalis* (Nematoda: Trichinelloidea) in the murid host *Arvicanthis niloticus*: migration to the epithelium of the nasal mucosa after intramuscular development. *Parasite*, 19: 359–365. DOI:10.1051/parasite/2012194359 [Open access](#)
- Mutafchiev Y., Kinsella J.M. (2012) Redescription of *Chabaudacuaria multispinosa* (Pérez Viguera, 1938) n. g., n. comb. (Nematoda: Spirurida: Acuariidae) based on specimens from *Ardea herodias* L. and *Nyctanassa violacea* (L.) (Ardeidae) in Florida. *Systematic Parasitology*, 83: 85–93. DOI:10.1007/s11230-012-9372-9
- Otranto D., Dantas-Torres F., Cebeci Z., Yeniad B., Buyukbabani N., Buyukbaba Boral O., Gustinelli A., Mounir T., Mutafchiev Y., Bain O. (2012) Human ocular onchocerciasis: further evidence on the zoonotic role of *Onchocerca lupi*. *Parasites & Vectors*, 5:84. DOI:10.1186/1756-3305-5-84. [Open access](#)
- Mutafchiev Y., Mariaux J., Georgiev B.B. (2012) *Acuaria paraguayensis* n. sp. from *Sirystes sibilator* (Aves: Tyrannidae) in Paraguay and a redescription of *A. mamillaris* (Molin, 1860) from *Cyanocorax cayanus* (Corvidae) in Brazil, with a key to the species of *Acuaria* Bremser, 1811 (Nematoda: Acuariidae) in the New World. *Systematic Parasitology*, 81: 51–64. DOI:10.1007/s11230-011-9322-y
- Mutafchiev Y., Georgiev B.B. (2011) Redescription, generic allocation and synonymy of *Decorataria magnilabiata* (Molin, 1860) n. comb. (Nematoda: Spirurida: Acuariidae), a

- parasite of the roseate spoonbill *Platalea ajaja* L. (Aves: Threskiornithidae) in South America. *Systematic Parasitology*, 80: 17–22. [DOI:10.1007/s11230-011-9302-2](https://doi.org/10.1007/s11230-011-9302-2)
- Mutafchiev Y., Georgiev B.B. (2010) The erection of *Pelecanema* n. g. (Nematoda: Spirurida: Acuariidae), with redescrptions of *Pelecanema sirry* (Khalil, 1931) n. comb. and *P. pelecani* (Johnston & Mawson, 1942) n. comb. *Systematic Parasitology*, 77: 45–54. [DOI:10.1007/s11230-010-9259-6](https://doi.org/10.1007/s11230-010-9259-6)
- Mutafchiev Y., Santoro M., Georgiev B.B. (2010) *Parachordatorillis* n. g. (Nematoda: Spirurida: Acuariidae), with a redescription of *P. mathevossianae* (Petrov & Chertkova, 1950) n. comb., a parasite of *Falco tinnunculus* L. (Aves: Falconiformes). *Systematic Parasitology*, 76: 191–197. [DOI:10.1007/s11230-010-9243-1](https://doi.org/10.1007/s11230-010-9243-1)
- Mutafchiev Y., Halajian A., Georgiev B.B. (2010) Two new nematode species of the genus *Cosmocephalus* Molin, 1858 (Spirurida: Acuariidae), with an amended generic diagnosis and an identification key to *Cosmocephalus* spp. *Zootaxa*, 2349: 1–20. [Open access](https://doi.org/10.11646/zootaxa.2349.1.1)
- Mutafchiev Y., Zehtindjiev P., Georgiev B.B. (2009) First record of the nematode *Aviculariella alcedonis* (Yamaguti & Mitunaga, 1943) (Spirurida, Acuariidae) in Europe, with SEM observations and comments on its taxonomic position. *Acta Parasitologica*, 54: 374–379. [DOI:10.2478/s11686-009-0057-8](https://doi.org/10.2478/s11686-009-0057-8)
- Mutafchiev Y., Georgiev B.B. (2009) Redescription of *Desportesius brevicaudatus* (Spirurida, Acuariidae) based on nematodes from *Ixobrychus minutus* (Aves, Ciconiiformes) from Bulgaria. *Helminthologia*, 46: 90–96. [DOI:10.2478/s11687-009-0018-7](https://doi.org/10.2478/s11687-009-0018-7)
- Mutafchiev Y., Georgiev B.B. (2008) Redescription of *Decorataria decorata* (Spirurida, Acuariidae) based on nematodes from *Podiceps cristatus* and *P. grisegena* (Aves, Podicipediformes) from Bulgaria. *Acta Parasitologica*, 53: 158–164. [DOI:10.2478/s11686-008-0016-9](https://doi.org/10.2478/s11686-008-0016-9)
- Mutafchiev Y., Georgiev B.B. (2008) A new acuariid nematode *Syncuaria mackoi* n. sp. (Spirurida), from *Ciconia nigra* (L.) (Ciconiiformes: Ciconiidae) in Europe. *Systematic Parasitology*, 70: 71–79. [DOI:10.1007/s11230-008-9138-6](https://doi.org/10.1007/s11230-008-9138-6)
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