

吴东辉 应聘材料公示

一、主要研究方向或领域

土壤生态学

二、主要学术兼职

生态学报编委，生物多样性编委，生态学杂志编委，应用与环境生物学报编委，湿地科学编委，Soil Ecology Letters 编委；吉林省动物学会副理事长。

三、主要科研和教学成果（近五年）

1. 学术论文

论文名称，发表刊物，期号，时间，本人排序

1) Bing Zhang, Liang Chang, Zhen Ni, Xin Sun, **Donghui Wu***. Directional migration of three, Desoria, species (Collembola: Isotomidae) on the snow surface in late winter. *European Journal of Soil Biology*, 2017, 81:64-68. (中科院大类分区二区, IF=2.846)

2) Xin Sun, Feng Zhang, Yinhuan Ding, Thomas W. Davies, Yu Li, **Donghui Wu***. Delimiting species of Protaphorura (Collembola: Onychiuridae): integrative evidence based on morphology, DNA sequences and geography. *Scientific Reports*, 2017, 7(1):8261-8270. (中科院大类分区三区, IF=4.379)

3) Lihong Song, Hongkai Li, Kehong Wang, Xiumin Yan, **Donghui Wu***. Seasonal dynamics in the community structure and trophic structure of testate amoebae inhabiting the Sanjiang peatlands, Northeast China. *European Journal of Protistology*, 2018, 63:51-61. (中科院大类分区三区, IF=3.020)

4) Xinyu Zhu, Liang Chang*, Jiujia Li, Jie Liu, Lichao Feng, **Donghui Wu***. Interactions between earthworms and mesofauna affect CO₂, and N₂O emissions from soils under long-term conservation tillage. *Geoderma*, 2018, 332: 153-160. (中科院大类分区一区, IF=6.114, TOP 期刊)

5) Yongjing Dou, Liang Chang, Bing Zhang, **Donghui Wu***. Effect of Soybean Cultivation on Soil Collembola Community in Marshland of Sanjiang Plain, China.

Russian Journal of Ecology, 2018, 49(6): 570-576. (中科院大类分区四区, IF=0.684)

6) Jie Liu, Meixiang Gao*, Jinwen Liu, Yuxi Guo, Dong Liu, Xinyu Zhu, **Donghui Wu***. Spatial distribution patterns of soil mite communities and their relationships with edaphic factors in a 30-year tillage cornfield in northeast China. *PLoS ONE*, 2018, 13(6): e0199093. (中科院大类分区三区, IF=2.74)

7) Lichao Feng, Liang Chang, Shaoqing Zhang, Xinyu Zhu, Sina Adl*, **Donghui Wu***. What is the Carcass-Usage Mode of the Collembola? A Case Study of *Entomobrya proxima* in the Laboratory. *Insects*, 2019, 10(3):67-76. (中科院大类分区三区, IF=2.069)

8) Liang Chang, Baifeng Wang, Xiumin Yan, Linna Ma, Gadi V.P. Reddy, **Donghui Wu***. Warming limits daytime but not nighttime activity of epigeic microarthropods in Songnen grasslands. *Applied Soil Ecology*, 2019, 141: 79-83. (中科院大类分区二区, IF=3.183)

9) Jie Liu, Meixiang Gao, Yanlong Ma, Xin Sun, Xinyu Zhu, Sina Adl, **Donghui Wu***. Spatial and environmental factors are minor structuring forces in a soil Collembola metacommunity in a maize agroecosystem. *Pedobiologia - Journal of Soil Ecology*, 2019, 76:150572. (中科院大类分区三区, IF=2.040)

10) Xinyu Zhu, Yunchuan Hu, Wei Wang, **Donghui Wu***. Earthworms promote the accumulation of maize root-derived carbon in a black soil of Northeast China, especially in soil from long-term no-till. *Geoderma*, 2019, 340:124-132. (中科院大类分区一区, IF=6.114, TOP 期刊)

11) Yongjing Dou, Bing Zhang, Xin Sun, Liang Chang and **Donghui Wu***. Marshland restoration benefits Collembola recruitment: a long-term chronosequence study in Sanjiang mire marshland, China. *PeerJ*, 2019, 7:e7198. (中科院大类分区三区, IF=2.284)

12) Yuxi Guo, Meixiang Gao, Jie Liu, Andrey S. Zaitsev, **Donghui Wu***. Disentangling the drivers of ground-dwelling macro-arthropod metacommunity structure at two different spatial scales. *Soil Biology and Biochemistry*, 2019, 130:55-62. (中科院大类分区一区, IF=7.609, TOP 期刊)

13) Cao Hao, Tingwen Chen, Yunga Wu, Liang Chang, **Donghui Wu** *. Snow microhabitats provide food resources for winter-active Collembola. *Soil Biology and Biochemistry*, 2020, 143: 107-116. (中科院大类分区一区, IF=7.609, TOP期刊)

14) Pingting Guan, Jingjing Yang, Yurong Yang, Wei Wang, Peng Zhang, Jingjing Yang, Yurong Yang, Wei Wang, Peng Zhang, **Donghui Wu** *. Land conversion from cropland to grassland alleviates climate warming effects on nutrient limitation: Evidence from soil enzymatic activity and stoichiometry. *Global Ecology and Conservation*, doi.org/10.1016/j.gecco.2020.e01328. (中科院大类分区三区, IF=3.380)

15) Zhen Ni, Xiumin Yan, Liang Chan⁴, Xin Su⁵, **Donghui Wu** *, Bing Zhang *. Habitat preferences rather than morphological traits affect the recovery process of Collembola (Arthropoda, Hexapoda) on a bare saline-alkaline land. *PeerJ*, 2020, 8:e9519 DOI 10.7717/peerj.9519. (中科院大类分区三区, IF=2.284)

16) Ping Wang, Muhammad Hasnain, James Cahill, **Donghui Wu** *. The multi-response of root foraging strategy to a neighbor, soil heterogeneity and earthworm. *Applied Soil Ecology*, 2020, doi.org/10.1016/j.apsoil.2020.103684. (中科院大类分区二区, IF=3.183)

17) Shaoqing Zhang, Xin Sun, **Donghui Wu** *. A new species of the genus *Leeonychiurus* Sun & Arbea, 2014 (Collembola, Onychiurinae, Onychiurini) from China, with a checklist of Chinese Onychiurini. *Zootaxa*, 2020, 4743 (1): 137-143. (中科院大类分区四区, IF=0.620)

18) Biao Gao, **Donghui Wu** *. The Effects of Returning Farmlands to Forests or Pastures on Soil Animal Diversity and its Regional Differentiation Characteristics in China: a Meta-Analysis. *Applied Ecology and Environmental Research*, 2020, 18 (5) : 6335-6353. (中科院大类分区四区, IF=0.711)

19) Pingting Guan, Mohammad Mahamood, Yurong Yang, **Donghui Wu** *. Land conversion regulates the effects of long-term climate warming on soil micro-food web communities. *Agriculture, Ecosystems and Environment*, 2021, 314:107426. (中科院大类分区一区, IF=5.567, TOP期刊)

20) Xuewen Chen, Aizhen Liang, Donghui Wu*, Neil B. McLaughlin, Shuxia Jia, Shixiu Zhang, Yan Zhang, Dandan Huang. Tillage-induced effects on organic carbon in earthworm casts through changes in their physical and structural stability parameters. *Ecological Indicators*, doi.org/10.1016/j.ecolind.2021.

107521. (中科院大类分区二区, IF=4.958)

21) Wei Wang, Xinyu Zhu, Liang Chang, Yufeng Zhang, Shaoqing Zhang, **Donghui Wu***. How do earthworms affect the soil organic carbon fractions and CO₂ emissions after incorporation of different maize straw-derived materials. *Journal of Soils and Sediments*, 2021, doi.org/10.1007/s11368-021-03006-w. (中科院大类分区二区, IF=3.308)

22) Liang Chang, Xin Sun*, Baifeng Wang, Meixiang Gao, Lei Chen, Aizhen Liang, **Donghui Wu***. Green more than brown food resources drive the effect of simulated climate change on Collembola: A soil transplantation experiment in Northeast China. *Geoderma*, 2021, doi.org/10.1016/j.Geoderma.2021.115008. (中科院大类分区一区, IF=6.114, TOP 期刊)

23) Lihong Song, Liang Chang, Shaoqing Zhang, Yongjing Dou, **Donghui Wu***. Warming threatens the microbial communities in middle-high latitude peatland: Evidence from testate amoebae. *Soil Biology and Biochemistry*, 2021, doi.org/10.1016/j.soilbio.2020.108105. (中科院大类分区一区, IF=7.609, TOP 期刊)

2. 科(教)研项目

东北中高纬冷湿森林诺登爱胜蚓种群地理格局、制约机制及其对全球变暖的敏感性, 国家自然科学基金委员会, 56 万元, 2021-2024, 负责人.

3. 著作教材

专著、教材名称, 出版单位, 出版年度, 本人身份

4. 科研教学获奖

奖励名称, 奖励部门, 本人排序

5. 专利等实用成果

成果名称, 专利号/权利号(登记号), 本人排序

四、推动学院(部)学科建设的思路和目标

1、建设目标：打造国内一流并有一定国际影响的学术团队，推动学院相关学科的发展；

2、建设思路：坚持四个面向，即“坚持面向世界科技前沿、面向经济主战场、面向国家重大需求、面向人民生命健康”，坚持有组织的开展科研工作；同时把握教育教学规律，开展本科生、研究生和留学生的教育教学工作，培养适应当前社会发展规律、有责任和担当且能独立工作的专业人才。

3、采取措施：1) 注意团队人才招聘，加紧建设人才队伍；2) 拓展国际合作范围，加深学术合作深度，多出高水平成果；3) 注重学术平台建设，积累更好的学术素材；4) 注意代表性的学术代表作的整理，发表高水平成果；5) 积极争取和支持国家级各类项目；6) 进行课程改革尝试，提高教学效率和人才培养效果。