

Poster titles and numbers

Please note that during the poster session on Tuesday all **odd-numbered** posters will be attended /discussed and on the poster session of Wednesday all **even-numbered** posters will be attended /discussed. Also note that in the last column, you can see to which of the parallel sessions the poster is linked (if applicable).

| # | Name | Poster title | Relevant session |
|----|-------------------------------|--|------------------|
| 1 | Irene van Schroyen Lantman | Eating and being eaten: Forest biodiversity and fragmentation effects on herbivores | Parallel 1a |
| 2 | Sigrid Dassen | Mycorrhizal fungi and plant community dynamics | Parallel 3a |
| 3 | Menno Straatsma | Biodiversity changes in 15 years of river restoration in the Netherlands for 28 functional groups | Parallel 1a |
| 4 | Suzanne Lommen | The ragweed leaf beetle has landed in Europe: the SMARTER approach to decide whether this is a fortunate coincidence or a threat | Parallel 3a |
| 5 | Wu Xiong | Bio-fertilizer application rapidly remodels soil protistan community | Parallel 1a |
| 6 | Daan Mertens | Plastic defence strategies as an optimal response to unpredictable multi-herbivore communities | Parallel 3a |
| 7 | Esther Bügel / Bob Hendrikx | Zoonotic vector-borne pathogen status in relation to vector burden in Wood mice and Bank voles | Parallel 1b |
| 8 | Mohammadhossein Ravanbakhsh | ACC deaminase-producing rhizosphere bacteria modulate plant responses to flooding | Parallel 3a |
| 9 | Kay Moisan | Warning or blessing: do plants differentiate between volatiles from pathogenic and non-pathogenic soil-borne fungi? | Parallel 1c |
| 10 | Dennis Tippe | Biology and management of parasitic weed species in rain-fed rice ecologies | Parallel 3a |
| 11 | Adam Ossowicki | The volatile power of rhizobacteria | Parallel 1c |
| 12 | Martijn Vandegehuchte | Mammal-induced trophic cascades in invertebrate food webs are stronger in more intensively grazed subalpine grassland | Parallel 3a |
| 13 | Kristin Schulz-Bohm | The prey's scent - can bacterial volatiles affect protists? | Parallel 1c |
| 14 | Wei Xue | Plant frequency and plant-soil feedbacks: effects on subsequent growth of two grassland plant populations | Parallel 3a |
| 15 | Naomi Zweerus | Who leads the dance? | Parallel 1c |

| # | Name | Poster title | Relevant session |
|----|----------------------------------|--|------------------|
| 16 | Ellen Decaestecker | Food availability affects the strenghts of mutualistic host-microbiota interactions in <i>Daphnia magna</i> | Parallel 3b |
| 17 | Manqi Chang | Ensemble modeling to predict algal blooms in polluted lakes | Parallel 1d |
| 18 | Stijn Schreven | Bioconversion of oilseed crop residues by insects and associated micro-organisms | Parallel 3b |
| 19 | Jan Janse | Linking a local ecological model to global land-use and climate data | Parallel 1d |
| 20 | Tanvi Taparia | Suppressive soils for mushroom diseases: A microbiome study | Parallel 3b |
| 21 | Christiaan Hummel | The use of Ecosystem Services in Protected Areas | Parallel 2a |
| 22 | Celine van Bijsterveldt | Environmental factors driving mangrove establishment and persistence along an eroding coastline | Parallel 3c |
| 23 | Alby Duarte Rocha | Naive Overfitting Index: a new method to control overfitting in predictive models of ecological traits from hyperspectral data | Parallel 2b |
| 24 | Paula Caroline dos Reis Oliveira | Sand suppletion as a restoration technique in lowland streams | Parallel 3c |
| 25 | Thomas Groen | Spectroscopic determination of leaf traits using infrared spectra | Parallel 2b |
| 26 | Roeland van de Vijssel | Benthic algae control, the "ON"-switch for mudflat topography formation | Parallel 3c |
| 27 | Jelmer Nijp | Quantifying high-resolution spatiotemporal variation of surface elevation in a northern peatland using remote sensing | Parallel 2b |
| 28 | Jelmer Samplonius | Competitor timing information affects nest site selection in a migratory bird | Parallel 3d |
| 29 | Jelmer Nijp | Spatial vegetation patterns in peatland ecosystems in relation to landscape properties | Parallel 2b |
| 30 | Mart Verwijmeren | How rainfall and grazing determine the coexistence and interaction outcome of two plant species in a semi-arid ecosystem | Parallel 3d |
| 31 | Hannah Vos | Do earthworms affect phosphorus availability in pastures? A trait-based approach | Parallel 2b |
| 32 | Jelmer Zandbergen | Vital soils for sustainable intensification of agriculture | Parallel 3d |
| 33 | Libin Zhou | Quantitative and qualitative effects of resource P-limitation on consumer growth rate and life history | Parallel 2b |
| 34 | Evert de Froe | Modelling a feeding experiment of the cold-water coral <i>Lophelia pertusa</i> | Parallel 3e |
| 35 | Paolo Di Lonardo | Priming effect and home field advantage: Combining theories to better understand carbon dynamics in soil | Parallel 2d |
| 36 | Louise Lassalle | Changing diet during life, does phenotypic plasticity really matter? | Parallel 4a |
| 37 | Rima Porre | Clever Cover Cropping | Parallel 2d |

| # | Name | Poster title | Relevant session |
|----|-------------------|--|------------------|
| 38 | Frederik Mortier | Adaptive habitat choice affects eco-evolutionary dynamics | Parallel 4a |
| 39 | Cyrus Mallon | Effects of functional diversity and species richness on the evolution of a synthetic bacterial ecosystem | Parallel 2e |
| 40 | Gabriel Muñoz | Aggregating datasets to disentangle biogeographical large-scale functional patterns in palm-frugivore seed dispersal network | Parallel 4b |
| 41 | Haidi Abdullah | Detecting the effect of (<i>Ips typographus</i> L.) green attack on leaf reflectance | N/A |
| 42 | Henk Bolhuis | <i>Lyngbya aestuarii</i> : Molecular ecology of a microbial mat builder | N/A |
| 43 | Javier Alegria | Harmful algal specie <i>Alexandrium catenella</i> bloom propagation | N/A |
| 44 | Luc De Bruyn | Habitat connectivity for bats in a small scaled agricultural landscape | Parallel 4c |
| 45 | Nathalie Amacker | Protozoa-Bacteria interactions: when the prey rebels | N/A |
| 46 | Qingqing Chen | Genotype-based trait variation contributes to the clonal plant <i>Elytrigia atherica</i> population expansion | Parallel 4d |
| 47 | Karen Brandenburg | Toxic <i>Alexandrium ostenfeldii</i> blooms in a Dutch creek | N/A |
| 48 | Tisja Dagers | Microphytobenthos versus Phytoplankton: the diet composition of macrobenthos in estuaries along environmental gradients | Parallel 4d |
| 49 | Anna Clocchiatti | Stimulating saprotrophic fungi for biocontrol of crop diseases | N/A |
| 50 | Oscar Franken | Predictability of species performance under thermal stress | Parallel 4d |
| 51 | Loreta Cornacchia | Self-organization of river vegetation regulates water flow and biodiversity | N/A |
| 52 | Astra Ooms | FROM STRESS TO PROCESS - species traits as predictor of hydrological effects on soil fauna and litter decomposition | Parallel 4d |
| 53 | Mathias Dillen | Do biodiversity effects become more important with stress? Multitrophic interactions between oak, powdery mildew and ladybirds | N/A |
| 54 | Aoife Sullivan | Ecosystem functioning in the Baltic Sea | Parallel 4d |
| 55 | Nina Fieten | The effect of habitat complexity on predation intensity | N/A |
| 56 | Pengfei Zhang | A novel indicator to quantify species competitive ability for light | Parallel 4d |
| 57 | Stijn van Gils | How much time does it take to transform a conventional field into organic agriculture? | N/A |
| 58 | Jan Kuiper | Scientific use and non-use of GBIF | Parallel 4e |
| 59 | Jan van Gils | Body shrinkage due to Arctic warming reduces red knot fitness in tropical wintering range | N/A |

| # | Name | Poster title | Relevant session |
|----|-------------------------|--|------------------|
| 60 | Sytske Drost | Greenhouse gas balance and nutrient cycling in winter cover cropping | N/A |
| 61 | Alena Gsell | Quantifying change in a pelagic plankton network using long-term data | N/A |
| 62 | Annelies van Ginkel | Keep calm and carry on. Behaviour of deer in response to wolf urine | N/A |
| 63 | Julia Heinen | Extinction-driven changes in insular frugivore communities | N/A |
| 64 | Youk Greeve | The relation between bivalve ecosystem engineers and meiobenthic communities | N/A |
| 65 | Viola Kurm | Does bacterial diversity matter in plant insect interactions? | N/A |
| 66 | Joao Bosco Gusmao | Seagrass meadow morphology determines the functional diversity of sediment fauna | N/A |
| 67 | Casper van Leeuwen | Habitat fragmentation and individual behaviour affect population genetic diversity of a freshwater salmonid | N/A |
| 68 | Lucia Irazabal Gonzalez | Comparison of plastic content in grey and harbour seals in the North and Wadden Seas | N/A |
| 69 | Haikun Ma | Plant-soil feedback effects on plant growth, disease susceptibility and aboveground defense compounds of a flower crop | N/A |
| 70 | Ida Karlsson | Protists as drivers for soil disease suppressiveness | N/A |
| 71 | Sanne Moedt | What's for lunch? Food abundance for meadow pipits affected by grazing | N/A |
| 72 | Erqin Li | Real-time evolution of mutualistic microbes on plant roots | N/A |
| 73 | Raoul van Oosten | The adaptive capacity of the niche-constructing species <i>Orchestia gammarellus</i> and consequences for ecosystem processes | N/A |
| 74 | Lara Martin-Sanchez | Unravelling the ecological role of bacterial terpenes | N/A |
| 75 | Kamiel Spoelstra | Gain and loss of habitat – the response of different bat species to experimental light at night varies with spectral composition | N/A |
| 76 | Karin van der Reijden | Habitat-specific exploitation by fisheries in the North Sea | N/A |
| 77 | Sanne Van Den Berge | Temporal vegetation changes in hedgerows and forests in the countryside of northern Belgium: lessons to learn | N/A |
| 78 | Nils van Rooijen | The living archive: constructing a National Seed Bank in the Netherlands | N/A |
| 79 | Joost van Montfort | The landscape approach: scientific challenges emerging from practice in low and middle income countries | N/A |
| 80 | Jelle Treep | Evolution of seed dispersal in fragmented landscapes | N/A |

| # | Name | Poster title | Relevant session |
|----|--------------------|---|------------------|
| 81 | Richard Verweij | Woodland ectomycorrhizal fungi have benefitted from large-scale reduction of nitrogen deposition in the Netherlands | N/A |
| 82 | Liesbeth Verlinden | Crossing the North Sea: behaviour of nocturnal migrants encountering an ecological barrier | N/A |
| 83 | Rutger Wilschut | Do phylogenetic distances help to understand novel plant-soil interaction outcomes? | N/A |
| 84 | Klaas Vrieling | SNP genotyping for ecologists | N/A |
| 85 | Peiyu Zhang | The effect of temperature on herbivory by the omnivorous cold-blooded gastropod <i>Lymnaea stagnalis</i> | N/A |
| 86 | Safaa Wasof | Strong linkages between plant, soil microbial and nematode community structures in post-agricultural grasslands under restoration | N/A |
| 87 | Tianjie Yang | Resource availability modulates biodiversity-invasion relationships by altering competitive interactions | N/A |