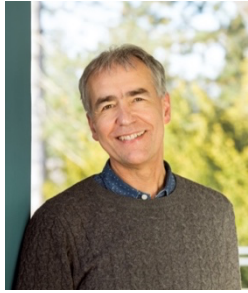


## CURRICULUM VITAE



**Prof. Dr. Stephan PAULEIT**

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<b>Present Appointment</b>	<b>Professor for Strategic Landscape Planning and Management, Technical University of Munich.</b>
<b>Date of Birth</b>	20 October 1960
<b>Education</b>	
1998	PhD (Dr.-Ing.) „Assessing the Environmental Performance of Urban Morphology Types for Environmental Planning”
1987	MSc. (Dipl.-Ing.) in Landscape Planning & Landscape Architecture, Technical University of Munich
<b>Synopsis</b>	<p>Professor Stephan Pauleit, PhD, leads the Chair for Strategic Landscape Planning and Management at Munich Technical University since Sept. 1, 2009. Prior, he held positions at Wye College, Kent, UK, at the University of Manchester, and at the University of Copenhagen.</p> <p>Stephan Pauleit is an expert in landscape planning and urban ecology with emphasis on city regions. He has developed a special interest in green infrastructure planning and nature based solutions, adaptation strategies to climate change in the urban environment, urban forestry and urban trees.</p> <p>Recent projects include: EU H2020 JUSTNature - Activation of nature-based solutions for a just low carbon transition; EU H2020 CONEXUS - CO-producing Nature-based solutions and restored Ecosystems: transdisciplinary neXus for Urban Sustainability; GREEN SURGE “Green Infrastructure and Urban Biodiversity for Sustainable Urban Development and the Green Economy”; “Green Cities of the Future: Climate resilient neighbourhoods in a growing city”. He is the present director of the “Centre for Urban Ecology and Climate Change Adaptation” at the Technical University of Munich and spokesperson of the DFG Research Training Group “Urban Green Infrastructure – Training Next Generation Professionals for Integrated Urban Planning Research”</p>
<b>Professional History</b>	
From Sept. 1, 2009:	<b>Professor in Strategic Landscape Planning and Management</b> at the School of Life Sciences, Munich Technical University
2016/07 – 2017/10:	<b>part-time Professor at the University of Copenhagen</b> , Department of Geosciences and Natural Resource Management, to lead the GREEN SURGE project in its final year
2004 -2009:	<b>Professor in Landscape Architecture with emphasis in Planting Design</b> at the Centre for Forest, Landscape and Planning, The University of Copenhagen
2000 -2004:	<b>Lecturer in Landscape Planning and Management at the University of Manchester</b>
1999:	<b>Temporary Lecturer at Wye College, Kent</b>
1987-1998:	<b>Research and Teaching Associate at the Technical University of Munich</b>

**Research and Development Projects & Consultancy:**

- 2022- **DFG Research Training Group “Urban Green Infrastructure – Training Next Generation Professionals for Integrated Urban Planning Research”,** Spokesperson
- 2021- **JUSTNature - Activation of nature-based solutions for a just low carbon transition.** EU Horizon 2020, WP lead
- 2020- **CONEXUS - CO-producing Nature-based solutions and restored Ecosystems: transdisciplinary neXus for Urban Sustainability,** EU Horizon 2020, WP lead
- 2020-2023: **CUT - Impact of trees on the urban microclimate under climate change: Mechanisms and ecosystem services of urban tree species in temperate, Mediterranean and arid major cities,** Deutsche Forschungsgemeinschaft (DFG)
- 2020-2023: **Nachverdichtung im Kontext des Klimawandels** (Urban densification in the context of climate change), Bavarian Ministry of Environment and Consumer Protection
- 2020-2023: **KlimaKübelBäume** (ClimatePotTrees), Bavarian Ministry of Environment and Consumer Protection
- 2019-2023: **Leistungen von Stadtgrün an öffentlichen Plätzen in München** (Services of urban green on public squares), Bavarian Ministry of Environment and Consumer Protection
- 2018-2022: **PHUSICOS – “According to Nature – Large-scale demonstrators on nature-based solutions for hydro-meteorological risk reduction”,** EU Horizon 2020
- 2017- **Grüne Stadt der Zukunft - Klimaresiliente Quartiere in einer wachsenden Stadt** (Green City of the Future: Climate resilient neighbourhoods in a growing city). BMBF, German Federal Ministry of Education and Research.
- 2017-2022: **Klimaerlebnis Würzburg** (Climate Experience Würzburg). Bavarian Ministry of the Environment and Consumer Protection.
- 2017-2019: **Los\_Dama!** EU Interreg Alpine Space project on peri-urban green infrastructure.
- 2016-2017: **GreenInfra – Grüne Infrastruktur im Urbanen Raum:** Grundlagen und Umsetzung in der integrierten Stadtentwicklung (Green Infrastructure in Urban Areas). German Federal Agency for Nature Conservation, Bonn. Project coordinator, collaborative project with TU Berlin & bgmr, Berlin.
- 2013-2018: **NEXUS The Nexus of Water, Food and Energy.** German Academic Exchange Service to TUM to develop a study programme, including African partner universities in Ethiopia and Tanzania.
- 2013-2017: **GREEN SURGE—Green Infrastructure and Urban Biodiversity for Sustainable Urban Development and the Green Economy.** EU FP7 integrated project from October 2013, Coordinator of WP5: Green infrastructure planning until 06/2016, overall project co-ordinator since 07/2016.
- 2013-2017: **Stadtwald 2050 (Urban Forest 2050).** Bavarian Agency for Woodland and Forestry Research and the Bavarian Ministry of Food, Agriculture and Forestry. Project coordinator.
- 2013-2016:  **Stadtbäume im Klimawandel: Wuchsverhalten, Umweltleistungen und Perspektiven** (Urban trees in a changing climate: growth behavior, environmental services and perspectives). Bavarian State Ministry of the Environment and Consumer Protection. Contribution to assessment of environmental services of urban trees.
- 2013-2017 **Klimaschutz und Grüne Infrastruktur in Städten** (Climate Protection and Green Infrastructure in Cities). Bavarian State Ministry of the Environment and Consumer Protection.
- 2013- **Zentrum für Stadtnatur und Klimawandel (Centre for Urban Ecology**

- and Climate Adaptation)** Bavarian State Ministry of the Environment and Consumer Protection. Co-leader of the Centre.
- 2013: **Klimapark in München (Climate Park in Munich)**. Awarded by BUND München. Work packages on climate modeling and assessment and environmental education.
- 2012-2015: **URBES (Urban Biodiversity and Ecosystem Services)**. ERA-net Project within the Biodiversa Programme. Coordinator of the Chair's contribution to the project to develop methods for valuation of cultural ecosystem services and strategies for a multifunctional greeninfrastructure
- 2012 – 2013: **Climatic assessment of green space at Salzsenderweg**, Munich. City of Munich.
- 2011-2013: **UFT-ADI - Urban fabric types and microclimate response - assessment and design improvement**. Austrian Climate and Energy Fund of the Federal State. Contribution to workpackage 2: Urban fabric typologies.
- 2011-2012: **Brachflächen im Spannungsfeld von (baulicher) Nachnutzung und Naturschutz** (Wastelands in the conflict between urban reuse and nature conservation, Bundesamt für Naturschutz (German Federal Agency for Nature Conservation). Project coordinator.
- 2010-2013: **CLUVA Climate Change and Urban Vulnerability in Africa** EU FP7 integrated project from December 2010, Coordinator of WP 2: Vulnerability and Risk Assessment.
- 2007-2011: **PLUREL Strategies for sustainable land use relationships between urban, peri-urban and rural land uses in urban regions**. EU FP6 integrated project, led by the Centre for Forest and Landscape. Coordinator of Module 5: *Instruments and Tools*.
- 2007-2009: **2BG - Black, Blue and Green** – Integrated infrastructure planning as key to sustainable urban water systems, 2007 – 2010. Danish Research Council. Work package leader on urban green structure.
- 2008: **Climate Change and Urban Development**– Awarded by the University of Copenhagen to organise an international conference, a workshop and a research proposal.
- 2007: **Ökologische Stadterneuerung durch Anlage urbaner Waldflächen auf innerstädtischen Flächen im Nutzungswandel (Urban Woodlands as a Tool for Ecological Urban Renewal)**. Research and Development Project, awarded by Bundesamt für Naturschutz to City of Leipzig and I. Burkhardt, Landscape Architects. Consultant on Ecological functions of urban woodlands and woodland design.
- 2006: **Bhutan: Collaboration on Human Capacity Development in Urban Planning and Urban Greening**. Feasibility study for cooperation within the programme of the Danish Development Aid (DANIDA).
- 2006-2007: **Asia ProEco: Developing Policy Formulation and Implementation Tools for Providing Support for Ecological Forest Management in China's Urban and Peri-Urban Areas**. EU project to promote scientific and technological exchange between China and Europe. Workshops and State-of-the-art reports.
- 2002-2006: **ASCCUE – Adaptation Strategies to Climate Change in the Urban Environment**. EPSRC; led by CURE, The University of Manchester. Co-leader of the work package *Urban greenspace and climate change*.
- 2004: **An ecological approach to greenstructure planning** – A comparative study of European cities and towns undertaken by COST Action C11 'Greenstructure and Urban Planning'. Leader of working group on *Ecology*.
- 2003: **Synia**. Planning of a new industrial area and new town at Hangzhou Gulf (China). Ecological consultant for L.arch. Irene Burkhardt, Munich (2003).
- 2003: **Accessible Natural Greenspace Standards** - A review and development of a tool-kit. English Nature, awarded 2001; Countryside Council for Wales, awarded 2002. Project officer.
- 2002: **Sustainable Development in the Countryside around Towns**. Countryside Agency; Contribution on landscape ecology and landscape

- planning.
- 2001-2002: **Developing a spatially integrative approach to assess the ecological performance of urban morphology types in Merseyside as a tool for urban environmental planning.** University Research Support Fund, University of Manchester, awarded 2001. Project leader.
- 2000-2001: **Tree selection and establishment practices - A European survey.** COST Action E12 'Urban Forests and Trees', WG 2 'Tree selection and establishment'. Project co-ordination.
- 2000: **Planting plan for plant geographical areas of the new Botanical Garden in Merano.** Revision of plans for woodland communities of the temperate and Mediterranean regions. Province of South Tyrolia. Landscape Architect Irene Burkhardt, Freising, Consultant.
- 2000: **Methodische Vorgaben für Biotopverbundsysteme im besiedelten Bereich** (Methods and criteria for designing urban habitat networks), Environmental Protection Agency Rheinland-Pfalz, Contribution for Consultancy Dipl. Ing. B. Mehrens; BDLA, Koblenz.
- 1990-1998: **Assessing the environmental performance of land cover types for environmental planning:** City of Munich, Department of Environment. Principal investigator.
- 1993-1994: **ECODATA:** Development of an environmental information system for regional tourism planning. European Union, DG XIII. Contractors: IPK München, Consultancy for tourism planning and Burkhardt and Duhme, Landscape Practice. Member of research team.
- 1992: **Environmental impacts of high-rise buildings:** Literature review (in German). Study for the City of Munich, Department of Environment. Member of research team. Contribution on ecological impacts of high rise developments.
- 1992: **Quantitative targets for nature conservation in Pfaffenhofen, Bavaria:** A methodology for regional conservation planning. Contribution to a desk study, led by Dr. F. Duhme
- 1992: **Amenity tree protection in Germany.** Department of the Environment, UK. Study for the University of Sheffield, desk study.
- 1990: **Environmental Quality Atlas for the City of Munich:** Member of the steering group, commissioned by the City of Munich, Department of Environment.
- 1989: **Umweltverträglichkeitsstudie Marienhof** (Ecological Impact Assessment for the Redesign of an Urban Greenspace). City of Munich. Member of research team.
- 1988: **Assessment of the tree stock and proposal for its regeneration for the master plan of Bayernwerke AG,** Karlsfeld. Study for Landscape Architect Dr. G. Bartholmai. Consultant.
- 1987 – 1990: **Landscape Ecological Masterplan for the City of Munich:** A Nature conservation programme for the City of Munich. Principal investigator.
- 1985 – 1993: **Vitality survey of street trees in the City of Munich:** Annually repeated survey of more than 2000 trees. Statistical analysis and evaluation of causes for damage and decline of street trees. Principal investigator.

**Publications:**

**Scientific journals (Peer reviewed):**

1. Breed C.A., Du Plessis T., Engemann K., Pauleit S., Pasgaard M., 2023. *Moving green infrastructure planning from theory to practice in sub-Saharan African cities requires collaborative operationalization*. Urban Forestry & Urban Greening 89: 128085. <https://doi.org/10.1016/j.ufug.2023.128085>
2. Franceschi E., Moser-Reischl A., Honold M., Rahman M.A., Pretzsch H., Pauleit S., Rötzer T., 2023. *Urban environment, drought events and climate change strongly affect the growth of common urban tree species in a temperate city*. Urban Forestry & Urban Greening 88: 128083. <https://doi.org/10.1016/j.ufug.2023.128083>
3. Jagt A.P.N., Buijs A., Dobbs C., van Lierop M., Pauleit S., Randrup T.B., Skiba A., Wild T., 2023. *With the Process Comes the Progress: A Systematic Review to Support Governance Assessment of Urban Nature-based Solutions*. Urban Forestry & Urban Greening: 128067. <https://doi.org/10.1016/j.ufug.2023.128067>
4. Pauleit S., Erlwein S., Linke S., Rahman M.A., Zölch T., Rötzer T., 2023. *Grün-blaue Infrastruktur für die Klimawandelanpassung der Stadt (Green-blue infrastructure for the city's climate change adaptation)*. Promet 106: 79-88. [https://doi.org/10.5676/DWD\\_pub/promet\\_106\\_08](https://doi.org/10.5676/DWD_pub/promet_106_08)
5. Dervishi V., Fleckenstein C., Rahman M.A., Pauleit S., Ludwig F., Pretzsch H., Rötzer T., 2023. *Trees in planters – Growth, structure and ecosystem services of Platanus x hispanica and Tilia cordata and their reaction to soil drought*. Urban Forestry & Urban Greening 86: 128024, <https://doi.org/10.1016/j.ufug.2023.128024>
6. The Urban More-than-Human Collective: Dümpelmann S., Gioielli R.R., Pauleit S., Sinha A., Wright K., Zhang A., 2023. *Making Urban Environments: Infrastructures of Power, Resistance and Negotiation*. Global Environment 16 (2): 222-257. <https://doi.org/10.3197/ge.2023.160203>
7. Shashua-Bar L., Rahman M.A., Moser-Reischl A., Peeters A, Franceschi E., Pretzsch H. Rötzer T., Pauleit S., Winters G. Groner E., Cohen S., 2023. *Do Urban Tree Hydraulics Limit Their Transpirational Cooling? A Comparison between Temperate and Hot Arid Climates*. SSRN: <http://dx.doi.org/10.2139/ssrn.4335898>
8. Raum S., Collins C.M., Urquhart J., Potter C., Pauleit S., Egerer M., 2023. *Tree insect pests and pathogens: a global systematic review of their impacts in urban areas*. Urban Ecosystems 26: 587–604, <https://doi.org/10.1007/s11252-022-01317-5>
9. Amer A., Franceschi E., Hjazin A., Shoqeir J.H., Moser-Reischl A., Rahman M.A., Tadros M., Pauleit S., Pretzsch H., Rötzer T., 2023. *Structure and Ecosystem Services of Three Common Urban Tree Species in an Arid Climate City*. Forests 14: 671. <https://doi.org/10.3390/f14040671>
10. Erlwein S., Meister J., Wamsler C., Pauleit S., 2023. *Governance of densification and climate change adaptation: How can conflicting demands for housing and greening in cities be reconciled?* Land Use Policy 128: 106593, <https://doi.org/10.1016/j.landusepol.2023.106593>
11. Hartmann C., Moser-Reischl A., Rahman M.A., Franceschi E., Von Strachwitz M., Pauleit S., Pretzsch H., Rötzer T., Paeth H., 2023. *The footprint of heat waves and dry spells in the urban climate of Würzburg, Germany, deduced from a continuous measurement campaign during the anomalously warm years 2018–2020*. Meteorologische Zeitschrift (Contrib. Atm. Sci.), Early Access <https://doi.org/10.1127/metz/2023/1151>
12. Stark da Silva P.W., Duarte D., Pauleit S., 2023. *The Role of the Design of Public Squares and Vegetation Composition on Human Thermal Comfort in Different Seasons: a Quantitative Assessment*. Land 12: 427. <https://doi.org/10.3390/land12020427>
13. Rahman M.A., Pawijit Y., Xu C., Moser-Reischl A., Pretzsch H., Rötzer T., Pauleit S., 2023. *A comparative analysis of urban forests for storm-water management*. Scientific Reports 13: 1451, <https://doi.org/10.1038/s41598-023-28629-6>
14. Rahman M.A., Fleckenstein C., Dervishi V., Ludwig F., Pretzsch H., Rötzer T., Pauleit S., 2023. *How good are containerized trees for urban cooling?* Urban Forestry & Urban Greening 79: 127822, <https://doi.org/10.1016/j.ufug.2022.127822>
15. Linke S., Erlwein S., Lierop M.v., Fakirova E., Pauleit S.; Lang W., 2022. *Climate Change Adaption between Governance and Government— Collaborative Arrangements in the City of Munich*. Land 11: 1818. <https://doi.org/10.3390/land11101818>
16. Lupp G.; Kantelberg V.; Fäth J.; Hirschbeck T.; Käsbauer C.; Ritter A.; Schisslbauer J.; Pauleit S.,

2022. *Through the Eyes of Forest Visitors—Perception and Scenic Preferences of Munich's Urban Proximate Woodlands*. *Forests* 2022, 13: 1584. <https://doi.org/10.3390/f13101584>
17. Enu K.B., Zingraff-Hamed A., Rahman M. A., Stringer L. C., Pauleit S., 2022: *Review article: Potential of Nature-Based Solutions to Mitigate Hydro-Meteorological Risks in Sub-Saharan Africa*, *EGUsphere* [preprint], <https://doi.org/10.5194/egusphere-2022-604>
  18. Fleckenstein C., Dervishi V., Rahman M.A., Rötzer T., Pauleit S., Ludwig F., 2022. *Trees in Planters—A Case Study of Time-Related Aspects*. *Land* 11: 1289. <https://doi.org/10.3390/land11081289>
  19. Van der Jagt A.P.N., Buijs A., Dobbs C., Van Lierop M., Pauleit S., Randrup T.B., WildT., 2022. *An action framework for the participatory assessment of nature-based solutions in cities*. *Ambio*, published online: 6 August 2022, <https://doi.org/10.1007/s13280-022-01772-6>
  20. Rahman M.A., Franceschi E., Pattnaik N., Moser-Reischl A., Hartmann C., Paeth H., Pretzsch H., Rötzer T., Pauleit S., 2022. *Spatial and temporal changes of outdoor thermal stress: influence of urban land cover types*. *Scientific Reports* 12: 671, <https://doi.org/10.1038/s41598-021-04669-8>
  21. Zingraff-Hamed A., George F.N., Lupp G., Pauleit S., 2022. *Effects of recreational use on restored urban floodplain vegetation in urban areas*. *Urban Forestry & Urban Greening* 67: 127444. <https://doi.org/10.1016/j.ufug.2021.127444>
  22. Lupp G., Huang J.J., Zingraff-Hamed A., Oen A., Del Sepia N., Martinelli A., Lucchesi M., Wulff Knutsen T., Olsen M., Fjøsne T.F., Balaguer E.-M., Arauzo I., Solheim A., Kalsnes B., Pauleit S., 2021. *Stakeholder Perceptions of Nature-Based Solutions and Their Collaborative Co-Design and Implementation Processes in Rural Mountain Areas—A Case Study From PHUSICOS*. *Frontiers in Environmental Science* 9:678446, <https://doi.org/10.3389/fenvs.2021.678446>
  23. Conitz F., Zingraff-Hamed A., Lupp G., Pauleit S., 2021. *Non-Structural Flood Management in European Rural Mountain Areas—Are Scientists Supporting Implementation?* *Hydrology* 8, 167. <https://doi.org/10.3390/hydrology8040167>
  24. La Rosa D., Pauleit S., Xiang W.-N., 2021. *Unearthing time-honored examples of nature-based solutions*. *Socio-Ecological Practice Research*, 3(4). <https://doi.org/10.1007/s42532-021-00099-y>
  25. Pauleit S., Hansen R., Pribadi D.O., 2021. *Editorial: Transformative Urban Greening: advancing green space governance*. *Frontiers in Sustainable Cities* 3:735918. DOI: 10.3389/frsc.2021.735918
  26. Erlwein S., Zölch T., Pauleit S., 2021. *Regulating the microclimate with urban green in densifying cities: Joint assessment on two scales*. *Building and Environment* 205: <https://doi.org/10.1016/j.buildenv.2021.108233>
  27. Moser-Reischl A., Rötzer T., Pauleit S., Pretzsch H., 2021. *Urban tree growth characteristics of four common species in South Germany*. *Arboriculture & Urban Forestry* 47 (4): 150-169, <https://doi.org/10.48044/jauf.2021.015>
  28. Lupp G., Kantelberg V., Förster B., Honert C., Naumann J., Markmann T., Pauleit S., 2021. *Visitor Counting and Monitoring in Forests Using Camera Traps: A Case Study from Bavaria (Southern Germany)*. *Land* 10(7): 736, <https://doi.org/10.3390/land10070736>
  29. Hansen R., van Lierop M., Rolf W., Gantar D. Šuklje Erjavec I., Rall E.L., Pauleit S., 2021. *Using green infrastructure to stimulate discourse with and for planning practice: experiences with fuzzy concepts from a pan-European, a national and a local perspective*. *Socio-Ecological Practice Research*, Published online 21 June 2021, <https://doi.org/10.1007/s42532-021-00087-2>
  30. Rahman M.A., Dervishi V., Moser-Reischl A., Ludwig F., Pretzsch H., Rötzer T., Pauleit S., 2021. *Comparative analysis of shade and underlying surfaces on cooling effect*. *Urban Forestry & Urban Greening* 63: 127223, <https://doi.org/10.1016/j.ufug.2021.127223>
  31. Pretzsch H., Moser-Reischl A., Rahman M., Pauleit S., Rötzer T., 2021. *Towards sustainable management of the stock and ecosystem services of urban trees. From theory to model and application*. *Trees*, published online 18-03-2021, <https://doi.org/10.1007/s00468-021-02100-3>
  32. Rosenberger L., Leandro J., Pauleit S., Erlwein S., 2021. *Sustainable stormwater management under the impact of climate change and urban densification*. *Journal of Hydrology* 596, 126137, <https://doi.org/10.1016/j.jhydrol.2021.126137>
  33. Lupp G., Zingraff-Hamed A., Huang J.J., Oen A., Pauleit S., 2021. *Living Labs—A Concept for Co-Designing Nature-Based Solutions*. *Sustainability* 13: 188. <https://dx.doi.org/10.3390/su13010188>
  34. Erlwein S., Pauleit S., 2021. *Trade-Offs between Urban Green Space and Densification: Balancing Outdoor Thermal Comfort, Mobility, and Housing Demand*. *Urban Planning* 6(1): 5-19. <https://doi.org/10.17645/up.v6i1.3481>
  35. Pace R., De Fino F., Rahman M.A., Pauleit S., Nowak D.J., Grote R., 2021. *A single tree model to consistently simulate cooling, shading, and pollution uptake of urban trees*. *International Journal of*

- Biometeorology 65: 277–289, <https://doi.org/10.1007/s00484-020-02030-8>
36. Rötzer T., Moser-Reischl A., Rahman M.A., Grote R., Pauleit S., Pretzsch H., 2020. *Modelling Urban Tree Growth and Ecosystem Services: Review and Perspectives*. Progress in Botany. Springer, Berlin, Heidelberg. [https://doi.org/10.1007/124\\_2020\\_46](https://doi.org/10.1007/124_2020_46)
  37. Zingraff-Hamed A., Hüesker F., Lupp G., Begg C., Huang J., Oen A., Vojinovic Z., Kuhlicke C., Pauleit S., 2020. *Stakeholder Mapping to Co-Create Nature-Based Solutions: Who Is on Board?* Sustainability 12, 8625. <https://www.doi.org/10.3390/su12208625>
  38. Tzoulas K., Galan J., Venn S., Dennis M., Pedroli B., Mishra H., Haase D., Pauleit S., Niemelä J., James P., 2020. *A conceptual model of the social–ecological system of nature-based solutions in urban environments*. Ambio, online first, <https://doi.org/10.1007/s13280-020-01380-2>
  39. Xu C., Haase D., Su M., Wang Y., Pauleit S., 2020. *Assessment of landscape changes under different urban dynamics based on a multiple-scenario modeling approach*. Environment and Planning B: Urban Analytics and City Science 47 (8): 1361–1379. <https://doi.org/10.1177/2399808320910161>
  40. Rahman M., Stratopoulos L., Moser-Reischl A., Zölch T., Häberle K.-H., Rötzer T., Pretzsch H., Pauleit S., 2020. *Traits of trees for cooling urban heat islands: a meta-analysis*. Building and Environment 170:1066. <https://doi.org/10.1016/j.buildenv.2019.106606>
  41. Xu C., Rahman M., Haase D., Wu Y., Su M., Pauleit S., 2020. *Surface runoff in urban areas: The role of residential cover and urban growth form*. Journal of Cleaner Production 262. 121421, <https://doi.org/10.1016/j.jclepro.2020.121421>
  42. Rahmann M.A., Hartmann C., Moser-Reischl A., Freifrau von Strachwitz M., Paeth H., Pretzsch H., Pauleit S., Rötzer T., 2020. *Tree cooling effects and human thermal comfort under contrasting species and sites*. Agricultural and Forest Meteorology, 287: 107947. <https://doi.org/10.1016/j.agrformet.2020.107947>
  43. Wang J., Xu C., Pauleit S., Kindler A., Banzhaf E., 2019. *Spatial patterns of urban green infrastructure for equity: A novel exploration*. Journal of Cleaner Production 238, <https://doi.org/10.1016/j.jclepro.2019.117858>
  44. Girma Y., Terstratefe H., Pauleit S., 2019. *Urban Green Spaces Use and Management in Rapidly Urbanizing Countries:-The Case of Emerging Towns of Oromia Special Zone Surrounding Finfinne, Ethiopia*. Urban Forestry & Urban Greening 43, <https://doi.org/10.1016/j.ufug.2019.05.019>
  45. Rahmann M.A., Moser A., Rötzer T., Pauleit S., 2019. *Comparing the transpirational and shading effects of two contrasting urban tree species*. Urban Ecosystems 22 (4): 683–697. <https://doi.org/10.1007/s11252-019-00853-x>
  46. Stratopoulos L.M.F., Zhang C., Häberle K.-H., Pauleit S., Duthweiler S., Pretzsch H., Rötzer T., 2019. *Effects of Drought on the Phenology, Growth, and Morphological Development of Three Urban Tree Species and Cultivars*. Sustainability 11: 5117. <https://doi.org/10.3390/su11185117>
  47. Wang J., Pauleit S., Banzhaf E., 2019. *An Integrated Indicator Framework for the Assessment of Multifunctional Green Infrastructure—Exemplified in a European City*. Remote Sensing 11:1869, <https://doi.org/10.3390/rs11161869>
  48. Zingraff-Hamed A., Martin J., Lupp G., Linnerooth-Bayer J., Pauleit S., 2019. *Designing a resilient waterscape using a living lab and catalysing polycentric governance*. Landscape Architecture Frontiers 7(3): 12–31. <https://doi.org/10.15302/J-LAF-1-020003>
  49. Girma Y., Terefe H., Pauleit S., Kindu M., 2019. *Urban green infrastructure planning in Ethiopia: The case of emerging towns of Oromia special zone surrounding Finfinne*. Journal of Urban Management 8: 75–88. <https://doi.org/10.1016/j.jum.2018.09.004>
  50. Rötzer T., Rahman R.A., Moser-Reichl A., Pauleit S., Pretzsch H., 2019. *Process based simulation of tree growth and ecosystem services of urban trees under present and future climate conditions*. Science of the Total Environment 676: 651–664. <https://doi.org/10.1016/j.scitotenv.2019.04.235>
  51. Rolf W., Pauleit S., Wiggering H., 2019. *A stakeholder approach, door opener for farmland and multifunctionality in urban green infrastructure*. Urban Forestry & Urban Greening 40: 73–83. <https://doi.org/10.1016/j.ufug.2018.07.012>
  52. Rall E., Hansen R., Pauleit S., 2019. *The added value of public participation GIS (PPGIS) for urban green infrastructure planning*. Urban Forestry & Urban Greening 40: 264–274, <https://doi.org/10.1016/j.ufug.2018.06.016>
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