***Call for titles and short abstracts for oral and poster presentations at ITSC 2021***

**Deadline: 1 Dec. 2019**

***Development and Sustainability***is the theme of the conference*.* The challenges for the future of the turfgrass sector are many and diverse. Climate change impacts are exceeding the worst expectations. Strong restrictions on the use of chemicals and fertilizers, and increasing pressure on natural resources (notably water, energy and land) are expected. There is an accelerating loss of ecosystem services and biodiversity in the urban landscapes. All this calls for more research and innovation for a sustainable future.

**Title (Max 150 characters):**

**Author(s) & affiliation(s):**

**Short abstract: (max 1000 characters):**

**To which journal and in what form do you intend to submit your paper ?  
(please note that all submissions will be subjected to peer-review)**

Crop Science (impact factor): Full paper. Deadline 1 May 2020,   
 No page charge for up to 7 pages, US$ 50 per page >7.

Agronomy Journal (impact factor): Full paper. Deadline 1 May 2020.   
 No page charge for up to 7 pages, US$ 100 / 200 per page >7 for members /   
 non-members of Agronomy Society of America

International Turfgrass Society Research Journal: Full paper. Deadline 1 May 2020.  
No page changes for first 4 pages, US$ 100 per page >4)

International Turfgrass Society Research Journal: Technical paper or short   
communication. Deadline 1 Sep. 2020. Max 3 pages. No page changes.

**Preferred form of presentation:** Oral Poster

**Thematic area (tick off one only)**

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| 1. Establishment and maintenance  *Includes: Seed quality, turfgrass establishment and overseeding, nutrition, irrigation, mechanical maintenance, topdressing, overseeding etc.* |  |
| 1. Soil physics, soil chemistry and soil biology  *Includes: Rootzone constructions including artificial and hybrid turf, organic and inorganic amendments, drainage, the soil-plant interface, rhizosphere biology, soil water repellency etc.* |  |
| 1. Integrated Pest Management I: Weed biology and control |  |
| 1. Integrated pest Management II: Diseases, insect pests and nematodes |  |
| 1. Genetics and breeding *Includes: Seed quality aspects, species and variety testing, seed blends and mixtures* |  |
| 1. Environmental impacts. *Includes: Pesticide and nutrient leaching and runoff, CO2 and other gas emissions, role of turf in reducing erosion, flooding and pollution from surrounding areas* |  |
| 1. Physiology  *Includes: Abiotic stresses, biostimulants* |  |
| 1. Biodiversity and ecosystem services |  |
| 9. New technology and precision management  *Includes: Technology and metrics for improving plant performance,*  *spatial data analysis, big data and model-based management approaches* |  |

Turfgrass industry challenges relating to the United Nations´17 Sustainable Development Goals (SDGs) set out Agenda 2030 will constitute the conference programme framework. The topics for the opening plenary session will relates to these SDGs, and we want all conference delegates to keep this in mind when submitting papers and preparing oral or poster presentations. As a voluntary option, the program committee would like to encourage delegates to tick off below one or maximum two of the UN goals to which your presentation is most closely connected.

Based on the responses to this question, some of the conference delegates will get the opportunity to give a presentation of their research in the opening plenary session.

For more information about the UN development goals, please see: <https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

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| [GOAL 1: No Poverty](https://www.un.org/development/desa/disabilities/?page_id=6226&preview=true) |  |
| [GOAL 2: Zero Hunger](http://www.un.org/development/desa/disabilities/envision2030-goal2.html) |  |
| [GOAL 3: Good Health and Well-being](http://www.un.org/development/desa/disabilities/envision2030-goal3.html) |  |
| [GOAL 4: Quality Education](http://www.un.org/development/desa/disabilities/envision2030-goal4.html) |  |
| [GOAL 5: Gender Equality](http://www.un.org/development/desa/disabilities/envision2030-goal5.html) |  |
| [GOAL 6: Clean Water and Sanitation](http://www.un.org/development/desa/disabilities/envision2030-goal6.html) |  |
| [GOAL 7: Affordable and Clean Energy](http://www.un.org/development/desa/disabilities/envision2030-goal7.html) |  |
| [GOAL 8: Decent Work and Economic Growth](http://www.un.org/development/desa/disabilities/envision2030-goal8.html) |  |
| [GOAL 9: Industry, Innovation and Infrastructure](http://www.un.org/development/desa/disabilities/envision2030-goal9.html) |  |
| [GOAL 10: Reduced Inequality](http://www.un.org/development/desa/disabilities/envision2030-goal10.html) |  |
| [GOAL 11: Sustainable Cities and Communities](http://www.un.org/development/desa/disabilities/envision2030-goal11.html) |  |
| [GOAL 12: Responsible Consumption and Production](http://www.un.org/development/desa/disabilities/envision2030-goal12.html) |  |
| [GOAL 13: Climate Action](http://www.un.org/development/desa/disabilities/envision2030-goal13.html) |  |
| [GOAL 14: Life Below Water](http://www.un.org/development/desa/disabilities/envision2030-goal14.html) |  |
| [GOAL 15: Life on Land](http://www.un.org/development/desa/disabilities/envision2030-goal15.html) |  |
| [GOAL 16: Peace and Justice Strong Institutions](http://www.un.org/development/desa/disabilities/envision2030-goal16.html) |  |
| [GOAL 17: Partnerships to achieve the Goal](http://www.un.org/development/desa/disabilities/envision2030-goal17.html) |  |