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Gustavo Slafer (PhD, University of Melbourne) is ICREA Research Professor at the University of Lleida (Catalonia, Spain), where he is also Associate Professor -Department of Crop & Forest Sciences. He is also currently (i) Honorary Professor of the School of Biosciences, University of Nottingham, UK; (ii) Editor of particular sections of Crop Science and Spanish Journal of Agricultural Research, (iii) Handling Editor of Food and Energy Security, (iv) Associate Editor of Euphytica; and (v) member of the Editorial or Advisory Boards of Field Crops Research, European Journal of Agronomy and Agricultural and Food Science. Until Dec. 2017 he has co-edited 6 scientific books, by publishers in USA and UK, and published 40 chapters in international books and more than 170 papers in JCR-journals. His h-index at Dec. 2017 was 49 (WebOfScience-CoreCollection). He has been invited several times to deliver talks on crop physiology in international conferences.

Research interests

I study the mechanisms underlying the responses of grain crops to environmental and genetic factors. My research approach has been always focused at the crop level of organization. The environmental factors include management practices such as irrigation or fertilization (among other less manageable environmental factors including radiation, photoperiod and temperature). Genetic factors include from general breeding strategies to the action of particular genes or groups of genes. The general aim is identifying alternatives to traditional farming and breeding practices to enhance the efficiency of resource use, as an avenue to increase simultaneously both crop productivity and agricultural sustainability.

Selected publications

- Ferrante A, Cartelle J, Savin R & **Slafer GA** 2017, 'Yield determination, interplay between major components and yield stability in a traditional and a contemporary wheat across a wide range of environments', *Field Crops Research*, 203, 114 - 127.
- Ochagavia H, Prieto P, Savin R, Griffiths S & **Slafer GA** 2017, 'Duration of developmental phases, and dynamics of leaf appearance and tillering, as affected by source and doses of photoperiod insensitivity alleles in wheat under field conditions', *Field Crops Research*, 214, 45 - 55.
- Zhu C, Farré G, Zanga D, Lloveras J, Michelena A, Ferrio JP, Voltas J, **Slafer G**, Savin R, Albajes R, Eizaguirre M, Lopez C, Cantero-Martínez C, Díaz-Gómez J, Nogareda C, Moreno JA, Angulo E, Estany J, Pena RN, Tor M, Portero-Otin M, Eritja N, Arjó G, Serrano JCE, Matias-Guiu X, Twyman RM, Sandmann G, Capell T & **Christou P** 2017, 'High-carotenoid maize: development of plant biotechnology prototypes for human and animal health and nutrition', *Phytochemistry Reviews*, 2017:1-15.

Selected research activities

- Honorary Professor at the School of Biosciences, University of Nottingham.
- President Committee Evaluation of Research Groups in Agricultural Sciences of CSIC.