



Universitat de Lleida
Facultat d'Educació,
Psicologia i Treball Social

Carles Comas Rodríguez

Categoria: Professor Agregat Serra Hunter

Departament: Matemàtica
Àrea coneixement: Estadística



Dades de contacte

Despatx: 3.15
Telèfon: 973 706588
Correu electrònic: carles.comas@matematica.udl.cat

Formació acadèmica

Enginyer de Forest
Doctor en Estadística

Línies d'investigació

Processos puntuals

- Processos puntuals en l'espai i el temps
- Modelització de processos puntuals
- Estadística espacial aplicada a problemes forestal i agronòmics
- Meta- anàlisis

Docència

Tractament de la Informació atzar i probabilitat (Grau en Educació primària)
Projecte Big data (Màster en Enginyeria Informàtica)

Publicacions recents (últims 5 anys)

2011

Comas, C., Delicado, P. & Mateu, J. (2011). A second order approach to analyse spatial point patterns with functional marks. *TEST*. DOI: 10.1007/s11749-010-0215-1.

Comas, C. & Mateu, J.(2011) On the Takacs-Fiksel estimation method for forest field observations. *Stochastic Environmental Research and Risk Assessment*. 25(2), 287-300.

Mehtätalo, L., Comas, C., Pukkala, T. & Palahí, M. (2011) Utilizing a small sample of diameters in the prediction of diameter distribution. *Canadian Journal of forest research*. 41, 750-762.



Comas, C., Mateu, J. & Delicado, P. (2011) On tree intensity estimation for forest inventories: some statistical issues. *Biometrical Journal*. **53**(6): 994-1010.

2012

Comas, C., Avilla, J., Sarasua, M.J., Albajes, R. & Ribes-Dasi. (2012) Lack of anisotropic effects in the spatial distribution of *Cydia pomonella* pheromone trap catches in Catalonia, NE Spain. *Crop protection*. **34**, 88:95.

2013

Comas, C., Mehtätalo, L. & Miina, J. (2013) Analysing space-time tree interdependencies based on individuals tree growth functions, *Stochastic Environmental Research and Risk Assessment*. **27**, 1673: 1681.

Albajes, R., Lumbierres, B., Madeira, F.,
Comas, C., Ardanuy, A., Lee, M.S., Iglesias, S. Comas, J.,

López-Hedo, M., López, C., Eizaguirre, M. & Pons, X. (2013) Field trials for assessing risks of GM maize on non-target arthropods in Europe: the Spanish experience . IOBC-WPRS Bulletins, 97, 1-8.

Comas, C., del Castillo, J, Voltas, J. & Ferrio J.P. (2013) Application of point-process statistical tools to stable isotopes in xylem water for the study of inter- and intra-specific interactions in water uptake patterns in a mixed stand of *Pinus halepensis* Mill. and *Quercus ilex* L. Geophysical Research Abstracts, 15, EGU2013-4282

2014

Comas, C., Lumbierres, B., Pons, X. & Albajes, R. (2014) No effects of *Bacillus thuringiensis* maize on nontarget organisms in the field in southern Europe; Meta-analysis of 26 arthropod taxa. *Transgenic Research*. **23**, 135:143.

2015

Comas, J., Lumbierres, B., Comas, C., Pons, X. Albajes, R. (2015) Optimising the capacity of field trials to detect the effect of genetically modified maize on non-target organisms through longitudinal sampling. *Annals of Applied Biology*, 166 (2), 183-195.



Comas, C., Rodríguez-Cortés, F., Mateu, J. (2015) Second-order analysis of anisotropic spatiotemporal point process data. *Statistica Neerlandica*, 69 (1), 49-66. .

Comas, C., Del Castillo, J., Voltas, J., Ferrio, J.P. (2015) Point processes statistics of stable isotopes: analysing water uptake pat-terns in a mixed stand of Aleppo pine and Holm oak. *Forest Systems*, 24 (1)

2016

Comas, C., Royo-Esnal, A., Recasens, J. & Torra, J. (2016) Analysing spatial correlation of weeds and harvester anst in cereal fields using point processes. *Arthropod-plant interactions*, 10 (3) 197-205

Fardusi, M.J., Ferrio, J.P. Comas, C., Voltas, J., Recos de Dios, V. & Serrano, L. (2016) Intra-specific association between water-use efficiency and productivity in woody plants: a meta-analysis. *Plant Science*, 251 (6) 110-118

Costafreda-Aumedes, S., Comas, C. & Vega-Garcia, C. (2016) Spatio-temporal configurations of human-caused Fires in Spain through point patterns. *Forests*, 7.

del Castillo, J., Comas, C., Voltas, J. & Ferrio J.P. (2016) Dynamics of competition over water in a mixed oak-pine Mediterranean forest: Spatio-temporal and physiological components. *Forest Ecology and Management*, 382 214-224.

Comas, C., Martins, J.A., Nascimento, M.M. & Estrada, A. (2016) Attitudes toward Statistics' Study in Psychology Students . *Bolema*. In press.