



CURRÍCULUM VÍTAE NORMALIZADO



María José Nueda Roldán

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**María José Nueda Roldán**

Surname(s): **Nueda Roldán**
Name: **María José**
DNI: **.**
ORCID: **orcid.org/0000-0002-1666-4771**
ResearcherID: **I-9409-2016**
Date of birth: **17/12/1972**
Gender: **.**
Nationality: **.**
Country of birth: **.**
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Contact province: **.**
City of birth: **.**
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Postcode: **.**
Contact country: **.**
Contact aut. region/reg.: **Valencian Community**
Contact city: **ALICANTE**
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Current professional situation

Employing entity: Universidad de Alicante **Type of entity:** University
Department: Facultad de Ciencias
Professional category: PROFESOR/A TITULAR UNIVERSIDAD
City employing entity: Alicante, Valencian Community, Spain
Phone: (34) 965963400 - 3124 **Fax:** 965903400 **Email:** mj.nueda@ua.es
Start date: 12/12/2011
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 120909 - Multivariate analysis

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad de Alicante	PROFESOR/A TITULAR ESCUELA UNIVERSITARIA	14/02/2003
2	Universidad de Alicante	PROFESOR/A ASOCIADO/A	01/10/2000
3	MAZARS AUDITORES, S.A. Firma de auditoría-consultoría, miembro de Grupo Multinacional.	Auditor de empresas	01/11/1997
4	A.S.E.M., S.L.	Consultora-asesora de empresas.	01/10/1994



- 1** **Employing entity:** Universidad de Alicante **Type of entity:** University
Department: ESTADISTICA E INVESTIGACION OPERATIVA, FACULTAD CIENCIAS
City employing entity: Alicante, Valencian Community, Spain
Professional category: PROFESOR/A TITULAR ESCUELA UNIVERSITARIA
Phone: 3124 **Email:** mj.nueda@ua.es
Start date: 14/02/2003 **Duration:** 8 years - 9 months
Type of contract: Civil servant
Dedication regime: Full time
- 2** **Employing entity:** Universidad de Alicante **Type of entity:** University
Department: ESTADISTICA E INVESTIGACION OPERATIVA, FACULTAD CIENCIAS
City employing entity: Alicante, Valencian Community, Spain
Professional category: PROFESOR/A ASOCIADO/A
Phone: 3124 **Email:** mj.nueda@ua.es
Start date: 01/10/2000 **Duration:** 1 year
Type of contract: Permanent employment contract
Dedication regime: Full time
- 3** **Employing entity:** MAZARS AUDITORES, S.A. **Type of entity:** Body, others
Firma de auditoría-consultoría, miembro de Grupo Multinacional.
Professional category: Auditor de empresas
Start date: 01/11/1997 **Duration:** 2 years - 10 months
Type of contract: Others
- 4** **Employing entity:** A.S.E.M., S.L. **Type of entity:** Body, others
Professional category: Consultora-asesora de empresas.
Start date: 01/10/1994 **Duration:** 2 years - 2 months
Type of contract: Others



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

1 University degree: Others

Name of qualification: Cursos 3er ciclo y Diploma de Estudios Avanzados. Estadística.

Degree awarding entity: Universidad Politécnica de Valencia

Date of qualification: 15/07/2004

2 University degree: Higher degree

Name of qualification: Licenciado en Administración y Dirección de Empresas.

Degree awarding entity: Facultad de Ciencias Económicas y Empresariales. Universidad de Alicante.

Date of qualification: 01/06/1998

3 University degree: Others

Name of qualification: Master Universitario en Auditoría.

Degree awarding entity: Universidad de Alicante.

Date of qualification: 01/01/1996

4 University degree: Higher degree

Name of qualification: Diplomado en Estadística.

Degree awarding entity: Facultad de Ciencias. Universidad de Alicante.

Date of qualification: 01/06/1993

Doctorates

Doctorate programme: DOCTORADO EUROPEO EN ESTADÍSTICA

Degree awarding entity: UNIVERSIDAD POLITÉCNICA DE VALENCIA

Date of degree: 22/07/2009

Teaching experience

Experience supervising doctoral thesis and/or final year projects

1 Project title: APLICACIONES CON R SHINY DE TÉCNICAS DE ANÁLISIS DE DATOS

Type of project: End of course project

Entity: Universidad de Alicante

Type of entity: University

City of entity: Alicante, Valencian Community, Spain

Student: MICÓ MARTÍNEZ, SERGIO

Obtained qualification: AP

Date of reading: 23/07/2020



Date of recognition: 23/07/2020

2 Project title: Modelos Lineales Generalizados

Type of project: End of course project

Entity: Universidad de Alicante

Type of entity: University

City of entity: Alicante, Valencian Community, Spain

Student: ESTEBAN RODRÍGUEZ, JOSÉ ANTONIO

Obtained qualification: SB

Date of reading: 16/06/2020

Date of recognition: 16/06/2020

3 Project title: Análisis de datos funcionales y aplicación a muestras de electroencefalogramas

Type of project: End of course project

Entity: Universidad de Alicante

Type of entity: University

City of entity: Alicante, Valencian Community, Spain

Student: GARCIA PONSODA, SANDRA

Obtained qualification: NT

Date of reading: 25/07/2018

Date of recognition: 25/07/2018

4 Project title: Clasificación mediante Regresión Logística

Type of project: End of course project

Entity: Universidad de Alicante

Type of entity: University

City of entity: Alicante, Valencian Community, Spain

Student: SALIETO CEES, FRANCISCO JAVIER

Obtained qualification: NT

Date of reading: 15/06/2018

Date of recognition: 15/06/2018

5 Project title: Árboles de decisión: RandomForests

Type of project: End of course project

Entity: Universidad de Alicante

Type of entity: University

City of entity: Alicante, Valencian Community, Spain

Student: REBOLLO MÚGICA, JULEN

Obtained qualification: SB

Date of reading: 14/06/2017

Date of recognition: 14/06/2017

6 Project title: MÉTODOS DE CLASIFICACIÓN BASADOS EN MODELOS

Type of project: End of course project

Entity: Universidad de Alicante

Type of entity: University

City of entity: Alicante, Valencian Community, Spain

Student: PÉREZ OLCINA, ANA

Obtained qualification: NT

Date of reading: 25/07/2016

Date of recognition: 25/07/2016

7 Project title: ANÁLISIS ESTADÍSTICO DE DATOS DE EXPRESIÓN GÉNICA

Type of project: End of course project

Entity: Universidad de Alicante

Type of entity: University

City of entity: Alicante, Valencian Community, Spain



Student: CAMPOY JOVER, PAULA

Obtained qualification: AP

Date of reading: 01/09/2015

Date of recognition: 01/09/2015

8 Project title: ANÁLISIS DE DATOS LONGITUDINALES

Type of project: End of course project

Entity: Universidad de Alicante

Type of entity: University

City of entity: Alicante, Valencian Community, Spain

Student: GARCÍA SAAVEDRA, CRESSY

Obtained qualification: SB

Date of reading: 23/07/2015

Date of recognition: 23/07/2015

Scientific and technological experience

Research and development groups/teams

1 Name of the group: Grupo de Estadística Aplicada (GESTA)

Name of principal investigator: MARIA JOSE NUEDA **Number of members in the group:** 6
ROLDAN

Type of collaboration: Co-authorship of projects and their development

City of group: Alicante, Valencian Community, Spain

Affiliation entity: Universidad de Alicante

Type of entity: University

Relevant results: <p>40 artículos de investigación en diferentes áreas.</p><p>Participación en 20 proyectos de investigación.</p><p>Más de 60 contribuciones a congresos.</p>

Start date: 01/03/2019

Duration: 22 months

2 Name of the group: Bioquímica Aplicada/Applied Biochemistry (AppBiochem)

Name of principal investigator: ROSA MARIA **Number of members in the group:** 17
MARTINEZ ESPINOSA

Type of collaboration: Co-authorship of projects and their development

City of group: Alicante, Valencian Community, Spain

Affiliation entity: Universidad de Alicante

Type of entity: University

Number of directed thesis: 4

Start date: 27/06/2017

Duration: 9 months

3 Name of the group: Sistemas dinámicos y Estadística (SISDINEST)

Name of principal investigator: CLEMENTA ALONSO **Number of members in the group:** 6
GONZALEZ

Type of collaboration: Co-authorship of projects and their development

City of group: Alicante, Valencian Community, Spain

Affiliation entity: Universidad de Alicante

Type of entity: University

Number of directed thesis: 0

Start date: 22/12/2008

Duration: 79 months



Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1 **Name of the project:** Desarrollo e implementación de métodos de análisis de datos de expresión génica (GV/2017/177)

Degree of contribution: Scientific coordinator

Entity where project took place: Universidad de Alicante **Type of entity:** University

City of entity: Alicante, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): MARIA JOSE NUEDA ROLDAN

Nº of researchers: 3

Funding entity or bodies:

Conselleria de Educación, Investigación, Cultura y Deporte

Start date: 01/12/2017

Duration: 2 years

Total amount: 16.000 €

- 2 **Name of the project:** Modulación de interacciones rizosféricas para promover crecimiento, cosecha y defensas frente a patógenos radiculares de cultivos (AGL2015-66833-R)

Degree of contribution: Researcher

Entity where project took place: Universidad de Alicante **Type of entity:** University

City of entity: Alicante, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): LUIS VICENTE LOPEZ LLORCA

Nº of researchers: 7

Funding entity or bodies:

Ministerio de Economía y Competitividad

Start date: 01/01/2016

Duration: 3 years

Total amount: 108.900 €

- 3 **Name of the project:** Development of computational resources for the functional characterization and annotation of non-coding RNAs (BIO2012-40244)

Degree of contribution: Researcher

Entity where project took place: CENTRO DE INVESTIGACIÓN PRÍNCIPE FELIPE **Type of entity:** University

Name principal investigator (PI, Co-PI....): CONESA CEGARRA, ANA

Nº of researchers: 4

Funding entity or bodies:

Ministerio de Economía y Competitividad

Start date: 01/02/2012

Duration: 3 years

Total amount: 90.000 €

- 4 **Name of the project:** GITE-11015-UA: GITEST. Grupo de Innovación Tecnológico

Degree of contribution: Scientific coordinator

Entity where project took place: Universidad de Alicante **Type of entity:** University

City of entity: Alicante, Valencian Community, Spain



Name principal investigator (PI, Co-PI....): MARIA JOSE NUEDA ROLDAN

N° of researchers: 6

Funding entity or bodies:

Universidad de Alicante

Type of entity: University

Start date: 13/01/2012

Duration: 1 year

Total amount: 510,7 €

- 5 Name of the project:** Exploring novel genome-transcriptome relationships through Next Generation Sequencing approaches. (BIO2009-10799)

Degree of contribution: Researcher

Entity where project took place: CENTRO DE INVESTIGACIÓN PRÍNCIPE FELIPE

Type of entity: University

Name principal investigator (PI, Co-PI....): CONESA CEGARRA, ANA

N° of researchers: 5

Funding entity or bodies:

Ministerio de Ciencia e Innovación

Type of entity: Body, others

Start date: 01/01/2010

Duration: 3 years

Total amount: 157.300 €

- 6 Name of the project:** Transcriptional networks controlling virulence in filamentous fungal pathogens (TRANSPAT) (BIO2008-04638-E)

Degree of contribution: Researcher

Entity where project took place: CENTRO DE INVESTIGACIÓN PRÍNCIPE FELIPE

Type of entity: University

Name principal investigator (PI, Co-PI....): CONESA CEGARRA, ANA

N° of researchers: 2

Funding entity or bodies:

Ministerio de Ciencia e Innovación

Type of entity: Body, others

Start date: 01/02/2009

Duration: 2 years - 11 months

Total amount: 92.000 €

- 7 Name of the project:** Introducción del programa R para el análisis estadístico (60939.031200.014)

Degree of contribution: Scientific coordinator

Entity where project took place: Universidad de Alicante

Type of entity: University

City of entity: Alicante, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): MARIA JOSE NUEDA ROLDAN

N° of researchers: 4

Funding entity or bodies:

Universidad de Alicante (Secretariado de Innovación Tecnológica)

Start date: 01/01/2007

Duration: 1 year

Total amount: 1.400 €



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Terol, J.; Nueda, M.J.; Ventimilla, D.; Tadeo, F.; Talón, M.. Transcriptomic analysis of Citrus clementina mandarin fruits maturation reveals a MADS-box transcription factor that might be involved in the regulation of earliness. *BMC Plant Biology*. 19 - 47, pp. 1 - 20. 2019. ISSN 1471-2229
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Total no. authors: 5
- 2** Nueda, M.J.; Martorell, J.; Martí, C.; Tarazona, S.; Conesa, A.. Identification and visualization of differential isoform expression in RNA-seq time series. *Bioinformatics*. 34 - 3, pp. 524 - 526. 2018. ISSN 1367-4803
Type of production: Scientific paper **Format:** Journal
Position of signature: 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 3** Lopez-Moya, F.; Kowbel, D.; Nueda, M.J.; Palma-Guerrero, J.; Glass, L.; Lopez-Llorca, L.V.. Neurospora crassa transcriptomics reveals oxidative stress and plasma membrane homeostasis biology genes as key targets in response to chitosan. *Molecular BioSystems*. 12, pp. 391 - 403. 2016. ISSN 1742-206X
DOI: 10.1039/c5mb00649j
Type of production: Scientific paper **Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 4** Tarazona, S; Furió, P; Turrà, D; Di Prieto, A; Nueda, MJ; Ferrer, A; Conesa, A.. Data quality aware analysis of differential expression in RNA-seq with NOISeq R/Bioc package. *Nucleic Acids Research*. 43, pp. e140. 2015. ISSN 0305-1048
DOI: 10.1093/nar/gkv711
Type of production: Scientific paper **Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
- 5** Nueda, MJ; Tarazona, S; Conesa, A.. Next maSigPro: updating maSigPro Bioconductor package for RNA-seq time series. *Bioinformatics*. 30 - 18, pp. 2598 - 2602. 2014. ISSN 1367-4803
DOI: 10.1093/bioinformatics/btu333
Type of production: Scientific paper **Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 6** Ponzoni, I; Nueda, MJ; Tarazona, S; Götz, S; Montaner, D; Dussaut, JS; Dopazo, J; Conesa, A.. Pathway network inference from gene expression data. *BMC Systems Biology*. 8 - S2, pp. S7. 2014. ISSN 1752-0509
DOI: 10.1186/1752-0509-8-S2-S7
Type of production: Scientific paper **Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee



- 7 Nueda, MJ; Conesa, A.. Next-maSigPro: Dealing with RNA-Seq time series. EMBnet.journal. 19, pp. 42 - 43. 2013. ISSN 2226-6089
Type of production: Scientific paper **Format:** Journal
Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

- 8 Benavente, D; Leal Palazón, M.; Martínez Peral, A.; Nueda, M.J.. Prácticas de Análisis Estadístico de Datos Geoquímicos con el Programa R.Macla. 17, pp. 23 - 24. 2013. ISSN 1885-7264
Type of production: Scientific paper **Format:** Journal
Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

- 9 Gómez, D.S.; Molina, M.D.; Mulero, J.; Nueda, M.J.; Pascual, A.. Random Exams Using Sweave. INTED Proceedings. pp. 4759 - 4766. 2013. ISSN 2340-1079
Type of production: Scientific paper **Format:** Journal
Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

- 10 Nueda, M.J.; Ferrer, A.; Conesa, A.. ARSyN: a method for the identification and removal of systematic noise in multifactorial time course microarray experiments. Biostatistics. 13 - 3, pp. 553 - 566. 2012. ISSN 1465-4644
DOI: 10.1093/biostatistics/kxr042
Type of production: Scientific paper **Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes

- 11 Conesa, A; Prats-Montalbán, J; Tarazona, S; Nueda, MJ; Ferrer, A.. A multiway approach to data integration in systems biology based on Tucker3 and N-PLS. Chemometrics and Intelligent Laboratory Systems. 104, pp. 101 - 111. 2010. ISSN 0169-7439
DOI: 10.1016/j.chemolab.2010.06.004
Type of production: Scientific paper **Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

- 12 Chinchón-Payá, S.; DeBlas, I.; Nueda, M.J.; García, F.. Origin of uncontrolled water emissions in Alicante: use of discriminant analysis. Environmental Earth Sciences. 61, pp. 1005 - 1012. 2010. ISSN 1866-6280
Type of production: Scientific paper **Format:** Journal

- 13 Nueda, MJ; Carbonel, J; Medina, I; Dopazo, J; Conesa, A.. Serial Expression Analysis: a web tool for the analysis of serial gene expression data. Nucleic Acids Research. 38, pp. W239 - W245. 2010. ISSN 0305-1048
DOI: 10.1093/nar/gkq488
Type of production: Scientific paper **Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

- 14 Nueda, M.J.; Sebastián, P.; Tarazona, S.; García-García, F.; Dopazo, J.; Ferrer, A.; Conesa, A.. Functional assessment of time course microarray data. BMC BIOINFORMATICS. 10, pp. S9 - S9. 2009. ISSN 1471-2105
DOI: 10.1186/1471-2105-10-S6-S9
Type of production: Scientific paper **Format:** Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

- 15 Götz, S; García-Gómez, JM; Terol, J; Williams, TD; Nagaraj, SH; Nueda, MJ; Robles, M; Talón, M; Dopazo, J; Conesa, A.. High-throughput functional annotation and data mining with the Blast2GO suite. Nucleic Acids Research. 36, pp. 3420 - 3435. 2008. ISSN 0305-1048
DOI: 10.1093/nar/gkn176

**Type of production:** Scientific paper**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

- 16 Nueda, M.J.; Conesa, A.; Westerhuis, J.; Hoefsloot, H.; Smilde, A.; Ferrer, A.. Discovering gene expression patterns in time course microarray experiments by ANOVA-SCA. *Bioinformatics*. 23, pp. 1792 - 1800. 2007. ISSN 1367-4803

DOI: 10.1093/bioinformatics/btm251**Type of production:** Scientific paper**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes

- 17 Conesa, A.; Nueda, M.J.; Ferrer, A.; Talón, M.. maSigPro: a method to identify significantly differential expression profiles in time-course microarray experiments. *Bioinformatics*. 22, pp. 1096 - 1102. 2006. ISSN 1367-4803

DOI: 10.1093/bioinformatics/btl056**Type of production:** Scientific paper**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

- 18 Molina, M.D.; Mulero, J.; Nueda, M.J.; Pascual, A.. Estadística aplicada a les Ciències Socials. pp. 1 - 264. Alicante, Valencian Community(Spain): Publicaciones de la Universidad de Alicante, 2015. ISBN 978-84-9717-350-6

Type of production: Scientific book or monograph**Format:** Book**Degree of contribution:** Author or co-author of entire book

- 19 Molina, M.D.; Mulero, J.; Nueda, M.J.; Pascual, A.. Estadística Aplicada a las Ciencias Sociales. pp. 1 - 265. Valencian Community(Spain): Publicaciones de la Universidad de Alicante, 2013. ISBN 978-84-9717-288-2

Type of production: Scientific book or monograph**Format:** Book**Degree of contribution:** Author or co-author of entire book

- 20 Suarez-Fernandez, M.; Marhuenda-Egea F.C.; Lopez-Moya, F. , Arnao, M. B.; Cabrera-Escribano, F.; Nueda, M. J.; Gonsé, B.; Lopez-Llorca, L.V.. Chitosan Induces Plant Hormones and Defenses in Tomato Root Exudates. *Frontiers in Plant Science*. 2020. ISSN 1664-462X

Type of production: Artículos en prensa**Format:** Journal**Position of signature:** 4**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

Works submitted to national or international conferences

- 1 **Title of the work:** Análisis discriminante vía Programación Lineal

Name of the conference: Congreso Nacional de la SEIO**Type of event:** Conference**Geographical area:** National**Type of participation:** Participatory - oral communication**City of event:** Alcoi, Spain**Date of event:** 03/09/2019

Molina, M.D.; Nueda, M.J.; Gandía, C."Análisis discriminante vía Programación Lineal". -,

- 2 **Title of the work:** Classifying Sequencing Data Using Linear Programming

Name of the conference: European Conference On Operational Research**Type of event:** Conference**Geographical area:** Non EU International**Type of participation:** Participatory - oral communication**City of event:** Dublin, Ireland**Date of event:** 23/06/2019



Nueda; M.J; Molina; M.D.; Gandía; C."Classifying Sequencing Data Using Linear Programming". -,

- 3 **Title of the work:** La evaluación continua a través de cuestionarios aleatorios en Moodle
Name of the conference: JORNADAS DE REDES DE INVESTIGACIÓN EN DOCENCIA UNIVERSITARIA
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Alicante, Spain
Date of event: 14/06/2018
 Gandía, C.; Molina, MD; Mulero, J.; Nueda,MJ; Pascual, A."La evaluación continua a través de cuestionarios aleatorios en Moodle". -,
- 4 **Title of the work:** Aplicaciones web y exámenes aleatorios en la docencia de la Estadística
Name of the conference: Congreso Nacional de la SEIO
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Oviedo, Spain
Date of event: 29/05/2018
 Gandía, C.; Gómez, D.; Molina, MD; Mulero, J.; Nueda,MJ; Pascual, A."Aplicaciones web y exámenes aleatorios en la docencia de la Estadística". -,
- 5 **Title of the work:** Clasificación de muestras de RNA-seq mediante programación lineal
Name of the conference: Congreso Nacional de Estadística e Investigación Operativa
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Oviedo, Spain
Date of event: 29/05/2018
 Gandía, C; Molina, MD; Nueda, MJ. "Clasificación de muestras de RNA-seq mediante programación lineal". -,
- 6 **Title of the work:** Clasificación de muestras de RNA-seq mediante programación lineal
Name of the conference: Congreso Nacional de Estadística e Investigación Operativa
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Oviedo, Spain
Date of event: 29/05/2018
 Gandía, C; Molina, MD; Nueda, MJ. "Clasificación de muestras de RNA-seq mediante programación lineal". -,
- 7 **Title of the work:** Exámenes aleatorios con R y Moodle en asignaturas de Estadística
Name of the conference: JORNADAS DE USUARIOS DE R
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: GRANADA, Spain
Date of event: 17/11/2017
 Gandía, C; Molina, MD; Mulero, J; Nueda, MJ; Pascual A."Exámenes aleatorios con R y Moodle en asignaturas de Estadística". -,
- 8 **Title of the work:** ShinyEST: una aplicación interactiva para el autoaprendizaje de la Estadística
Name of the conference: JORNADAS DE USUARIOS DE R
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster



City of event: Albacete, Spain

Date of event: 17/11/2016

Gómez, D.S.; Molina, M.D.; Mulero, J.; Nueda, M.J.; Pascual, A. "ShinyEST: una aplicación interactiva para el autoaprendizaje de la Estadística". En: Libro de resúmenes de las VIII Jornadas de Usuarios de R. -,

9 Title of the work: RNA-Seq analysis of fruit ripening in 3 clementine varieties

Name of the conference: International Citrus Congress

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

City of event: Foz de Iguazú, Brazil

Date of event: 18/09/2016

Terol, J; Nueda, MJ; Tadeo, F; Talón, M. "RNA-Seq analysis of fruit ripening in 3 clementine varieties". En: International Citrus Congress /Abstract book. -, ISBN 978-85-88184-55-8

10 Title of the work: Aplicaciones diseñadas con Shiny: Un recurso docente para la Enseñanza de la Estadística

Name of the conference: JORNADAS DE REDES DE INVESTIGACIÓN EN DOCENCIA UNIVERSITARIA

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Alicante, Spain

Date of event: 30/06/2016

Gómez, D.S.; Molina, M.D.; Mulero, J.; Nueda, M.J.; Pascual, A. "Aplicaciones diseñadas con Shiny: Un recurso docente para la Enseñanza de la Estadística". -,

11 Title of the work: Herramientas interactivas para el autoaprendizaje de la Estadística

Name of the conference: JORNADAS de Enseñanza y Aprendizaje de la Estadística y la Investigación Operativa

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Logroño, Spain

Date of event: 02/06/2016

Nueda, M.J.; Pascual, A.; Molina, M.D.; Mulero, J.; GÓMEZ, D. "Herramientas interactivas para el autoaprendizaje de la Estadística". En: Actas VII JORNADAS GENAEIO. -, ISBN 9787847617

12 Title of the work: Herramientas interactivas para el autoaprendizaje de la Estadística

Name of the conference: JORNADAS de Enseñanza y Aprendizaje de la Estadística y la Investigación Operativa

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Logroño, Spain

Date of event: 02/06/2016

Nueda, M.J.; Pascual, A.; Molina, M.D.; Mulero, J.; GÓMEZ, D. "Herramientas interactivas para el autoaprendizaje de la Estadística". En: Actas VII JORNADAS GENAEIO. -, ISBN 97878476177410572

13 Title of the work: Next-maSigPro: actualización del paquete maSigPro para series de RNA-seq

Name of the conference: JORNADAS DE USUARIOS DE R

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: SANTIAGO DE COMPOSTELA, Spain

Date of event: 23/10/2014

Nueda, MJ. "Next-maSigPro: actualización del paquete maSigPro para series de RNA-seq". -,



- 14 Title of the work:** Uso de sweave para crear exámenes aleatorios
Name of the conference: JORNADAS DE REDES DE INVESTIGACIÓN EN DOCENCIA UNIVERSITARIA
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Universidad de Alicante, Spain
Date of event: 04/07/2013
Gómez, D.S.; Molina, M.D.; Mulero, J.; Nueda, M.J.; Pascual, A. "Uso de sweave para crear exámenes aleatorios". -,
- 15 Title of the work:** Next-maSigPro: Dealing with RNA-Seq time series
Name of the conference: The Next NGS Challenge Conference
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Valencia,
Date of event: 14/05/2013
Nueda, MJ; Conesa, A. "Next-maSigPro: Dealing with RNA-Seq time series". En: EMBnet.journal 19 (Suppl. A). -,
- 16 Title of the work:** RANDOM EXAMS USING SWEAVE
Name of the conference: International Technology, Education and Development Conference, INTED
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - others
City of event: Valencia, Spain
Date of event: 04/03/2013
Gómez, D.S.; Molina, M.D.; Mulero, J.; Nueda, M.J.; Pascual, A. "RANDOM EXAMS USING SWEAVE". En: INTED 2013 Proceedings. -,
- 17 Title of the work:** Propuestas para incentivar al alumno en la asignatura de Estadística en Ciencias Sociales
Name of the conference: X Jornadas de Redes de Investigación en Docencia Universitaria
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Universidad de Alicante, Spain
Date of event: 07/06/2012
D. S. Gómez; M. D. Molina; J. Mulero; M. J. Nueda; A. Pascual. "Propuestas para incentivar al alumno en la asignatura de Estadística en Ciencias Sociales". -,
- 18 Title of the work:** Uso de herramientas gráficas para la enseñanza de Estadística en Ciencias Sociales
Name of the conference: X Jornadas de Redes de Investigación en Docencia Universitaria
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Universidad de Alicante, Spain
Date of event: 07/06/2012
D. S. Gómez; M. D. Molina; J. Mulero; M. J. Nueda; A. Pascual. "Uso de herramientas gráficas para la enseñanza de Estadística en Ciencias Sociales". -,
- 19 Title of the work:** Aplicación de nuevas metodologías docentes en la estadística para las ciencias sociales
Name of the conference: JORNADAS DE REDES DE INVESTIGACIÓN EN DOCENCIA UNIVERSITARIA
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication



City of event: universidad de Alicante, Spain

Date of event: 16/06/2011

Nueda, M.J.; Pascual, A.; Mulero, J.; Molina, M.D. "Aplicación de nuevas metodologías docentes en la estadística para las ciencias sociales". -,

- 20 Title of the work:** Uso de herramientas colaborativas para la elaboración de material docente
Name of the conference: JORNADAS DE REDES DE INVESTIGACIÓN EN DOCENCIA UNIVERSITARIA
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: universidad de Alicante, Spain
Date of event: 16/06/2011
Nueda, M.J.; Pascual, A.; Mulero, J.; Molina, M.D. "Uso de herramientas colaborativas para la elaboración de material docente". -,
- 21 Title of the work:** ANALISIS DE COMPONENTES PRINCIPALES
Name of the conference: Seminario en Homenaje a Marco A. López
Type of event: Conference **Geographical area:** Regional
Type of participation: Participatory - invited/keynote talk
City of event: Alicante, Spain
Date of event: 19/02/2010
NUEDA, M.J. "ANALISIS DE COMPONENTES PRINCIPALES". -,
- 22 Title of the work:** ASCA as pre-processing in time series microarray data analysis
Name of the conference: XIII Jornadas de Investigación Departamental San Alberto Magno
Type of event: Conference **Geographical area:** Regional
Type of participation: 'Participatory - poster
City of event: Universidad de Alicante, Spain
Date of event: 09/11/2009
NUEDA, M.J. "ASCA as pre-processing in time series microarray data analysis". -,
- 23 Title of the work:** Statistical approaches for functional interpretation of dynamic transcriptomics data
Name of the conference: Conferencia española de biometría
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Cádiz, Spain
Date of event: 23/09/2009
Nueda, M.J.; Conesa, A.; Ferrer, A. "Statistical approaches for functional interpretation of dynamic transcriptomics data". En: Actas de la XII Conferencia Española de Biometría. -, ISBN 978-84-692-5325-0
- 24 Title of the work:** maSigPro and ASCA-genes: tools for the analysis of Time-Course microarray data.
Name of the conference: Workshop de Quimiometría
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: BURGOS, Spain
Date of event: 15/09/2008
Nueda; MJ; Conesa; Ferrer; A. "maSigPro and ASCA-genes: tools for the analysis of Time-Course microarray data.". -,
- 25 Title of the work:** maSigPro: análisis de micromatrices de expresión temporal
Name of the conference: Uso avanzado de herramientas bioinformáticas
Type of event: Conference **Geographical area:** National



Type of participation: Participatory - oral communication

City of event: Málaga, Spain

Date of event: 30/06/2008

1. "maSigPro: análisis de micromatrices de expresión temporal". -,

- 26 Title of the work:** Finding relationships between high throughout data sources through multiway projection methods

Name of the conference: Bioinformatica

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

City of event: Valencia, Spain

Date of event: 13/02/2008

Conesa; A; Prats-Montalbán; J.M; Nueda; MJ; Dopazo; J; Ferrer; A."Finding relationships between high throughout data sources through multiway projection methods". -,

- 27 Title of the work:** maSigFun: finding functional changes in time course microarray data

Name of the conference: Bioinformatica

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - poster

City of event: Valencia, Spain

Date of event: 13/02/2008

Nueda; MJ; Conesa; A; Dopazo; J.; Ferrer; A."maSigFun: finding functional changes in time course microarray data". -,

- 28 Title of the work:** Combining maSigPro and ASCA procedures to enhance analysis in Time-Course Microarray experiments

Name of the conference: Congreso Nacional de Estadística e Investigación Operativa

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

City of event: VALLADOLID, Spain

Date of event: 25/09/2007

Nueda, M.J.; Conesa, A; Westerhuis, J.; Hoefsloot, H; Smilde, A.; Ferrer, A."Combining maSigPro and ASCA procedures to enhance analysis in Time-Course Microarray experiments". En: Actas del XXX Congreso Nacional de Estadística e Investigación Operativa y IV Jornadas de Estadística Pública 2007. -, ISBN 978-84-690-7249-3

- 29 Title of the work:** ASCA-genes: Analysis of Time-Course Microarray Data by ASCA modelling

Name of the conference: ENCuentro IBEROAMERICANO DE BIOMETRIA

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

City of event: Salamanca, Spain

Date of event: 20/06/2007

Nueda, M.J.; Conesa, A; Smilde, A.; Ferrer, A."ASCA-genes: Analysis of Time-Course Microarray Data by ASCA modelling". En: XI CONFERENCIA ESPAÑOLA Y 1er ENCuentro IBEROAMERICANO DE BIOMETRIA. -, ISBN 978-84-9718-471-7

- 30 Title of the work:** Multiway methods for integrating data and knowledge in genomics research

Name of the conference: ENCuentro IBEROAMERICANO DE BIOMETRIA

Type of event: Conference

Geographical area: Non EU International

Type of participation: Participatory - oral communication

City of event: Salamanca, Spain

Date of event: 20/06/2007



Conesa, A.; Prats-Montalbán, J.M.; Nueda, M.J.; Ferrer, A. "Multiway methods for integrating data and knowledge in genomics research". En: XI CONFERENCIA ESPAÑOLA Y 1er ENCUESTRO IBEROAMERICANO DE BIOMETRIA. -, ISBN 978-84-9718-471-7

- 31** **Title of the work:** A Multi-way Strategy for the Integrative Analysis of High Dimensionality
Name of the conference: Bioinformatics and Computational Biology
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Eliat, Israel
Date of event: 21/01/2007
Ana Conesa; Jose Manuel Prats-Montalban; Maria Jose Nueda; Manuel Talon; Alberto Ferrer. "A Multi-way Strategy for the Integrative Analysis of High Dimensionality". En: ?A Multi-way Strategy for the Integrative Analysis of High Dimensionality. -,
- 32** **Title of the work:** A multi-way strategy for the integrative analysis of high dimensionality "omics" data
Name of the conference: Jornadas de Bioinformática
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Zaragoza, Spain
Date of event: 20/11/2006
Ana Conesa; José Manuel Prats-Montalbán; María José Nueda; Manuel Talón; Alberto Ferrer. "A multi-way strategy for the integrative analysis of high dimensionality "omics" data". -,
- 33** **Title of the work:** Combining ANOVA and Principal Components to analyse Time-Course Microarray data
Name of the conference: Jornadas de Bioinformática
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Zaragoza, Spain
Date of event: 20/11/2006
María José Nueda; Ana Conesa; Johan Westerhuis; Huub C.J. Hoefsloot; Age K. Smilde; Alberto Ferrer. "Combining ANOVA and Principal Components to analyse Time-Course Microarray data". -,
- 34** **Title of the work:** Model-based multivariate methods as pre-processing in time series microarray data analysis
Name of the conference: Jornadas de Bioinformática
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Zaragoza, Spain
Date of event: 20/11/2006
María José Nueda; Ana Conesa; Johan Westerhuis; Huub C.J. Hoefsloot; Age K. Smilde; Alberto Ferrer. "Model-based multivariate methods as pre-processing in time series microarray data analysis". -,
- 35** **Title of the work:** Non linear regresion models for studying bacteria adaptation to the host
Name of the conference: European Conferece of Computacional Biology
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Madrid, Spain
Date of event: 28/09/2005
Falciani; Sarti; Conesa; Nueda; Talón. "Non linear regresion models for studying bacteria adaptation to the host". En: Bioinformatics, 21 Supplement 2, ECCB/JBI. -,



- 36** **Title of the work:** Analysing Profile Differences in Time-Course Microarray Experiments
Name of the conference: Conferencia española de biometría
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Oviedo, Spain
Date of event: 25/05/2005
Ana Conesa; María José Nueda; Alberto Ferrer; Manuel Talón. "Analysing Profile Differences in Time-Course Microarray Experiments". En: X Conferencia española de biometría (libro de resúmenes). -, ISBN 84-8317-486-3
- 37** **Title of the work:** maSigPro: a Method to Identify Significantly Differential Expression Profiles in Time-Course Microarray Experiments
Name of the conference: Jornadas de Bioinformática
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Barcelona, Spain
Date of event: 29/11/2004
Nueda, MJ.; Conesa, A.; Ferrer, A.; Talón, M. "maSigPro: a Method to Identify Significantly Differential Expression Profiles in Time-Course Microarray Experiments". En: VJornadas de Bioinformática. Edicions UPC (Universitat Politècnica de Catalunya), ISBN 84-7653-863-4

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** University of Amsterdam. Swammerdam Institute for Life Sciences.
Start date: 15/07/2006 **Duration:** 1 month - 12 days
Name of programme: Applying ASCA to Time-Course Microarray Experiments
Goals of the stay: Others
- 2** **Entity:** Universidad de Amsterdam-Swammerdam Institute for Life Sciences
Start date: 01/07/2005 **Duration:** 2 months - 3 days
Name of programme: Combining two data analysis tools: maSigPro and ASCA
Goals of the stay: Others

Periods of research activity

- 1** **Nº of recognized periods:** 1
Geographical area: National
Date of recognition: 01/01/2017
- 2** **Nº of recognized periods:** 1
Geographical area: National
Date of recognition: 01/01/2011



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CURRÍCULUM VITAE NORMALIZADO

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Summary of other achievements

- 1 Description of the achievement:** DESARROLLO DE SOFTWARE. Colaboradora en desarrollo del paquete NOISeq. <https://bioconductor.org/packages/release/bioc/html/NOISeq.html>
Accrediting entity: DOI: 10.18129/B9.bioc.NOISeq
- 2 Description of the achievement:** DESARROLLO DE SOFTWARE. Encargada del desarrollo y mantenimiento del paquete maSigPro. <https://www.bioconductor.org/packages/release/bioc/html/maSigPro.html>
Accrediting entity: DOI: 10.18129/B9.bioc.maSigPro
- 3 Description of the achievement:** DESARROLLO DE SOFTWARE. SEA. Servicio web disponible en el Centro de Investigación Príncipe Felipe. <http://sea.biinfo.cipf.es>
- 4 Description of the achievement:** DESARROLLO DE SOFTWARE. SHINYEST: Desarrollo de servicio web para autoaprendizaje de la Estadística. <http://shiny.dmat.ua.es:3838/apps/shinyest/>

