Part A. Personal Information

DATE	20/01/2023

Surname(s)	CAMPOS GOMEZ	
Forename	MONICA	
Gender	Female	Birth date:
ID number		
Researcher codes	WoS Researcher ID	B-5213-2012
	SCOPUS Author ID	7202803714
	ID ORCID	0000-0002-8360-9561

A.1. Current position

Professional Category	FULL PROFESSOR	Initial date: June 2021
UNESCO Code	230318, 331200, 331208, 331209, 331511, 510210	
Key Words	Sintered steels, ODS Ferritic steels, Co-base superalloys	
Institution	University Carlos III of Madrid	
	Department/Centre	Mater. Sci.
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A.2: Previous Positions.

Period	**Position/Institution**
1998-2000	Predoctoral Fellow (FPU)
2000-2002	Predoctoral Teaching Assistant
2002-2005	Teaching Assistant with PhD
2005-2008	Lecturer / UC3M
2008-2021	Associate Professor / UC3M

A.3. Education

Year	*University*	*Degree*	*Title*
1995	UCM	First degree	Physics
1998	UPM	Second degree	Materials Engineering
2002	UC3M	PhD	In Industrial Technologies. Thesis: "New low alloyed Cr-Mo sintered steels: sinterability, mechanical and tribological properties. Thermal and thermochemical treatments"

A.4. Indicators of Quality in Scientific Production

Research Evaluation: six-year periods (sexenios). 50% of Q1
Last 10 years, publons report: WOS documents 50; Sum of the Times Cited: 407; h-index: 11; Average citations per article: 8.9. PhD Thesis supervision 8.
Complete Publons report: WOS documents 71; total Times Cited: 869; h-index: 16; Average citations per document: 10.9, average citations per year: 38.3.

Part B. Free Summary of CV

I have developed my professional activity as a teacher and researcher at the Carlos III University of Madrid. Currently, I am Full Professor and Vice President for Students and Equality (March 2019-).

My research activity has always been developed in an international frame, in close collaboration with research groups from at least 4 different European countries: Sweden (Chalmers Univ. Tech), Austria (Tech. Univ. Wien), Italy (Univ. Trento), Germany (Fraunhofer Inst. Manuf. Tech). These relationships have recently allowed me to give the laudatio of the Prof. H. Danninger and A. Molinari as Doc. Honoris Causa of my University. I supervised 11 PhD Theses -5 of them with European mention and two of them distinguish with the outstanding Thesis award of the University-. At present, I am supervising other 3 theses.

I have contributed to project the image of UC3M within my scientific field (the research group is considered in the European Powder Metallurgy Association as a center of excellence, together with 12 other groups from all over Europe EPMI). My lines of research are focused on the production, characterization, and analysis of the behavior of the final product, in sintered low alloy steels, in sintered steels for high performance mainly focused on ODS steels (nuclear reactors) and recently I have opened a new research line in Co super alloys, and I'm also involved in HEA's alloys for high temperature applications. I keep an active research activity since 1999, publishing in international journals (indexed in the JCR). I have participated in more than 80 publications in Censored Journals with anonymous peer review, 68 of them are in the WOS index, 47% as Q1. In addition, I regularly review scientific and technical journals, having collaborated with more than 20 of them. Currently, I am a member of the editorial board of two journals indexed in WOS

I have organized more than a dozen symposia at international conferences, I have been part of the scientific committee on about ten occasions. I have been authored or co-authored almost a hundred contributions at international conferences, more than twenty-five at national conferences, and given ten plenary talks at international conferences.

I have participated in 40 competitive research projects and 35 private financing projects, of which I have been a mean researcher in 8 occasions. I have managed to raise a total of 542,347.60 € (307,898.60 € in the last 5 years, in the research group 354,713.35 €) and in competitive projects a total of 573,359.20 € (248,659.19 € in the last 5 years, in the research group 1,240,850.43 €). This brings the total resources obtained as principal investigator to date to 1,115,706.8 €.

In addition to my research activities, I have been lecturing in more than thirteen different undergraduate subjects, and I have been a professor in two Master's programs with more than eight different subjects. I have been the supervisor of more than 44 undergraduate dissertations and 13 master's dissertations.

Part C. Recent and relevant accomplishments (stressing last 5 years)

C.1. Publications

- Casas, R., Gálvez F., **Campos, M.** Materials Science and Engineering A. Volume 724, 2018, Pp 461-468.
- E. Macía, A. García-Junceda, M. Serrano, M. Hernández-Mayoral, L.A. Diaz, **M. Campos**. Journal of Nuclear Materials, 518. Pp: 190-201, MAY 2019
- Cordova, L., **Campos, M.,** Tinga, T. JOM, 2019, 71 (3) pp. 1062-1072.
- Cordova, L ; Bor, T ; de Smit, M ; **Campos, M** ; Tinga, T . ADDITIVE MANUFACTURING, 32, 101082. MAR 2020
- L. Cordova, T. Bor, M.de Smit, S. Carmignato, **M. Campos**, T. Tinga. Addit. Manuf. 2020, Volumen: 36, 101625

- A. Meza, E. Macía, A. García-Junceda, LA Díaz, P. Chekhonin, E. Altstadt, M. Serrano, ME Rabanal, **M. Campos.** Metals 10 (10), 2020
- José M. Torralba, **Mónica Campos** Metals. 10 (5), 639 Pp: 1-15, 2020
- **Campos, M.**, Torralba, J.M., de Oro, R., Bernardo, E., Galán-Salazar, A. Metals, 2021, 11(1), pp. 1–21, 176
- X. Jin, S. Banait, **M. Campos**, MT Perez-Prado Scripta Materialia, 2021 Vol 11, 848
- E. Reverte, M. Calvo-Dahlborg, U. Dahlborg, **M. Campos**, P. Alvaredo, P. Martin-Rodriguez, E. Gordo, J. Cornide. Materials. 2021. Vol 14/4342
- S. Banait; C. Liu; **M. Campos**; M.S. Pham; M.T. Pérez-Prado. Materials & Design. 2022, 224, 111294
- Meza, A., Macía, E., Chekonin, P., Altstadt E., Rabanal,ME., .Torralba, J.M., **Campos, M**. Materials Science and Engineering A, 2022, 849, 143441
- Banait, S., Liu, C., **Campos, M**., Pham, M.S., Pérez-Prado, M.T. Mater & Design, 2022, 224, 111294

C.2.Research Projects and Grants

MAT2013-47460-C5-5-P. Procesado pulvimetalúrgico de nuevas aleaciones ferríticas ODS (FeAl (CrZr). MINECO. (01/01/2014-31/12/2016) 83.959€ Mean Researcher.
S2013/MIT-2775. DIMMAT-CM. Diseño multiescala de materiales avanzados. CAM-Consejería Educación – Comunidad de Madrid. (01/10/2014-30/09/2016) 37.000€ Mean Researcher.
MAT2016-80875-C3-3-R ESTABILIDAD MICROESTRUCTURAL DE ACEROS FERRITICOS ODS. MINECO. (30-12-2016-30/12/2019) 100.000 €. Mean Researcher
CPP2021-008682 DAMAS Agencia Estatal de Investigación (01/09/2022-31/08/2025) 169.702 €. Mean Researcher

C.3. Contracts

- Arcelor-Mittal.

"FEASIBILITY OF GAS ATOMIZATION FOR LOW ALLOY STEELS" (01-04-17-30-03-2018) Mean Researcher. 54.500€
"FEASIBILITY OF GAS ATOMIZATION FOR LOW ALLOY STEELS. II" (31-03-2019/31-12-2020) Mean Researcher. 68.565€

C.4. Patents

European Patent: Invention nr3/2014-HB 761 Cooper Master Alloy
Inventors: R. Frykholm, JM Torralba, M Campos, E Bernardo.
Owner: Höganäs AB Nº. Patent EP 14161413.1

C.5. Congress, Invited/plenary sessions:

- Designing Master Alloys. Euro PM'13. Oral: Gotteborg, Sweden, Sept. 2013
- "Towards high performance in Powder Metallurgy" Int. Metall. Symp. 50th Anniversary of CENIM, Madrid, Oct. 2013.
- "Understanding the contribution of the microstructure in the fracture behaviour of sintered steels" Keynote Award Presentation, European Powder Metallurgy Congress, Saltzburg, Aust., Oct. 2014.
- "Enhancing properties through liquid phase sintering". Sintering, San Diego USA Nov. 2017.

C.6. Organizing Committees of Internationals y National Conferences

- EUROMAT 2013. International. Symposium Organizer. High Strength ODS steels:
- AMPT'15. Symposium Organizer Dec. 2015, International.
- National Conference on Materials, 2017, Gijón. Symposium Organizer.
- Symposium Organizer in EUROMAT 2019 (Stockolhm) in EUROMAT 2021 (online edition)
- National Conference on Materials, 2022, Ciudad Real. Symposium Organizer

C.7. Thesis Supervisor

- *Sistemas de alta densidad en aceros de baja aleación sinterizados*. Laura Blanco Puebla. July 2007
- *Obtención de aleaciones maestras mediante molienda mecánica para la modificación de aceros de baja aleación*. Jose A. Sicre Artalejo. Oct. 2009
- *Diseño de aleaciones maestras para la sinterización con fase líquida de aceros al Mn-Si*. Raquel de Oro Calderón March 2012
- *Desarrollo de nuevos aceros sinterizados de alta resistencia aleados mecánicamente con Nb*. L. Fuentes Pacheco. Nov. 2012
- *Desarrollo de nuevos materiales de baja aleación con Cromo*. Piedad García Álvarez, June 2013
- *Desarrollo de Nuevos aceros ferríticos ODS para aplicaciones nucleares*. N. García Rodríguez. Sept. 2014
- *Diseño de Fases Líquidas para sistemas de alta densidad*. Elena Bernardo Quijada. Nov 2014
- *Aleaciones base Co sinterizadas resistentes al calor para aplicaciones en ambientes extremos*. R. Casas, Dec. 2018.
- *Desarrollo y optimización de las propiedades de aleaciones en base Co y-y´para aplicaciones de alta temperatura*. Marta Cartón Cordero, Feb. 2019
- *Diseño de fases líquidas multifuncionales para aceros de baja aleación sinterizados*. A. Galán Salazar, July 2019
- Development of new ferritic 14Cr ODS steels with four oxides formers (Y, Ti, Zr, Al) for nuclear applications. E.Macía Rodríguez, Dec. 2019
- *Nuevas formulaciones de aceros ODS de alto rendimiento*. A. Meza Manzaneque, July 2021.

C8. Awards and recognitions.

Award of Merit in APMI International's Excellence in Metallography Competition "A New Approach to Understand the Contribution of the Microstructure in the Fracture Behaviour of Sintered Steels" Authors: JM Torralba, E. Bernardo, A. Galán-Salazar, and **M. Campos**. San Diego 2015

EPMA Keynote Paper Award 2015: Contribution 'Tailoring Master Alloys for liquid phase sintering: Effect of Introducing Oxidation Sensitive Elements. Authors: R. Oro, E. Bernardo, **M Campos**, C. Griel, H.Danninger, JM Torralba. Euro PM'15 Oct. Reims France

EPMA Keynote Paper Award 2014: Contribution 'Understanding the contribution of microstructure in the fracture behaviour of sintered steels'. JM Torralba, L- Esteban, E. Bernardo, **M Campos**. Euro PM'14

Outstanding Thesis Award, from Universidad Carlos III de Madrid, 2003.

C.9. Institutional responsibilities

- Academic Secretary of Mater.Sci. Dept. at UC3M 2005-2009
- Director of "ÁLVARO ALONSO BARBA" Inst. of chemistry and materials tech., UC3M, (2013-2014).
- Deputy Vice Rector for Access (UC3M) 2014/2015.
- Deputy Vice Rector for Admission (UC3M) 2015/2019
- Vice Rector for Students and Equality (UC3M). 2019-present