CURRICULUM VITAE (CVA)

IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.

Part A. PERSONAL INFORMATION

CV date	17/07/2023

First name	**EDUARDO**		
Family name	**DE MIGUEL GARCÍA**		
e-mail		URL Web	
Open Researcher and Contributor ID (ORCID) (*)		**0000-0003-1318-9474**	

(*) Mandatory

A.1. Current position

Position	**Professor**		
Initial date			
Institution	**UNIVERSIDAD POLITÉCNICA DE MADRID**		
Department/Centre	**E.T.S.I. Minas y Energía**		
Country	**Spain**	Phone number	
Keywords	**Prospecting, geochemistry, risk assessment, contamination**		

A.2. Previous positions (research activity interruptions)

Period	Position/Institution/Country/Cause of the interruption
1990-1998	Assistant Professor – Universidad Politécnica de Madrid
1998-2016	Associate Professor – Universidad Politécnica de Madrid

A.3. Education

PhD, Graduate Degree	University/Country	Year
Mining Engineer	Universidad Politécnica de Madrid	1990
PhD	Universidad Politécnica de Madrid	1995

Part B. CV SUMMARY *(max. 5000 characters, including spaces)*

Since 1990, I have been a member of the faculty of Universidad Politécnica de Madrid where I now hold the position of Full Professor. I have also worked in research or teaching positions in Germany (Bundesanstalt für Geowissenschaften und Roshstoffe), Norway (Norsk Institutt for Luftforskning), Sweden (Jönköping University) and the US (Colorado School of Mines). My research activity has focused on different aspects of Environmental Geochemistry, Prospecting, and Human-health Risk Assessment. I have led or participated in 18 official research projects and 29 research contracts. As a result of this activity, **I have received 4 positive research evaluations** (last one in 2018), have an h-index of 22 (SCOPUS) / 22 (Web of Science) /27 (Google Scholar) and have received a total of 3858 (SCOPUS) / 3392 (Web of Science) / 5539 (Google Scholar) citations. The average number of citations per year in the last 5 years is 356 (SCOPUS). I have been Head of Department (2012-2014) and Director of the official Master's Programs "Environmental Research, Modeling and Risk Assessment" (2007-2011) and "Soil and Groundwater Contamination" (2020-today).

Part C. RELEVANT MERITS *(sorted by typology)*

C.1. Publications *(see instructions)*

1. Barrio-Parra, F.; Hidalgo, A.; Izquierdo-Díaz, M.; Arévalo-Lomas, L.; DE MIGUEL, E. (2022) *1D_RnDPM: A freely available 222Rn production, diffusion, and partition model to evaluate confounding factors in the radon-deficit technique*. Science of the total Environment 269: 116200.
   Índice de impacto: 7.963 (Q1)

2. Barrio-Parra, F.; Izquierdo-Díaz, M.; Díaz-Curiel, J.; DE MIGUEL, E. (2021) *Field performance of the radon-deficit technique to detect and delineate a complex DNAPL accumulation in a multi-layer soil profile*. Environmental Pollution 269: 116200.
   Índice de impacto: 8.071 (Q1)

3. Barrio-Parra, F.; Izquierdo-Díaz, M.; Fernández-Gutiérrez del Álamo, L.J.; Biosca, B.; DE MIGUEL, E. (2020) *Modelling the Transference of Trace Elements between Environmental Compartments in Abandoned Mining Areas*. International Journal of Environmental Research and Public Health 17: 5117
   Índice de impacto: 3.390 (Q1)

4. DE MIGUEL, E.; Barrio-Parra, F.; Izquierdo-Díaz, M.; Fernández, J.; García-González, J.E; Álvarez, R. (2020). *Applicability and limitations of the radon-deficit technique for the preliminary assessment of sites contaminated with complex mixtures of organic chemicals: A blind field-test*. Environment International 138: 105591.
   Índice de impacto: 9.621 (Q1)

5. Barrio-Parra, F.; Izquierdo-Díaz, M.; Domínguez-Castillo, A.; Medina, R.; DE MIGUEL, E. (2019). *Human-health probabilistic risk assessment: the role of exposure factors in an urban garden scenario*. Landscape and Urban Planning 185: 191-199.
   Índice de impacto: 5.441 (Q1)

6. Lominchar, M.A.; Santos, A.; DE MIGUEL, E.; Romero, A. (2018) *Remediation of aged diesel contaminated soil by alkaline activated persulfate*. Science of the Total Environment 622: 41-48.
   Índice de impacto: 5.589 (Q1)

7. Barrio-Parra, F., Elío, J., DE MIGUEL, E., García-González, J. E., Izquierdo, M. y Álvarez, R. (2018). *Environmental risk assessment of cobalt and manganese from industrial sources in an estuarine system*. Environmental Geochemistry and Health 40: 737-748.
   Índice de impacto: 3.252 (Q1)

8. Izquierdo, M.; DE MIGUEL, E.; Ortega, M.F.; Mingot, J. (2015). *Bioaccessibility of metals and human health risk assessment in community urban gardens*. Chemosphere 135: 312-318.
   Índice de impacto: 3.698 (Q1)

C.2. Congresses

1. Izquierdo-Díaz, M.; Barrio-Parra, F.; Ordóñez, A.; Álvarez, R.; DE MIGUEL, E.; Biosca, B.; Artalejo, A.; Díaz-Curiel, J.; Medina, R. (2019) *Environmental Impact of Historical Mining near an Urban Settlement*. 35th SEGH International Conference on Sustainable Geochemistry. Manchester (Gran Bretaña)

2. Barrio-Parra, F.; Izquierdo-Díaz, M.; Pérez, P.; DE MIGUEL, E. (2018) *Introducing uncertainties of exposure variables through Monte Carlo 2D*. European Geosciences Union General Assembly 2018 – EGU 2018. Viena (Austria)
3. DE MIGUEL, E.; Gómez, A.; Izquierdo-Díaz, M.; Barrio-Parra, F.; Mingot, J.; Álvarez, R.; Loredo, J. (2017) *Risk assessment for children exposed to trace elements in an urban, multi-pathway exposure scenario (Madrid, Spain)*. 7th International Conference on Medical Geology. Moscú (Rusia)
4. Barrio-Parra, F.; Domínguez-Castillo, A.; Izquierdo, M.; García-González, J.E.; DE MIGUEL, E.; Medina-Ferro, R.; Díaz-Curiel, J.; Artalejo, A. (2017). *A free (R-based) tool for Probabilistic Human Health Risk Assessment: Application to an Urban Garden scenario*. AquaConSoil 2017 – 14th International Conference. Lyon (Francia).
5. Izquierdo, M.; Gómez, A.; DE MIGUEL, E.; Barrio-Parra, F.; Cabezas, A.; Mingot, J.; Charlesworth, S. (2016) *Trace elements in commercial infant food: A simplified risk assessment*. 18th International Conference on Heavy Metals in the Environment (ICHMET 2016). Gante (Bélgica).

C.3. Research projects

1. **Title**: CIRCULAR ECOLOGICAL ESSENTIAL & CRITICAL RAW MATERIALS - ROTATE
   Financed by: European Commission
   Project ID: HORIZON-IA: 101058651
   Start-end dates: 01/09/2022-31/08/2024
   Budget: 425.818 €

2. **Title**: VALORACION DE LA INFLUENCIA DE MINERIA HISTORICA, INDUSTRIA Y GEOLOGIA EN LOS NIVELES DE FONDO GEOQUIMICOS DE SEDIMENTOS FLUVIALES Y COSTEROS Y SUS IMPLICACIONES DE RIESGO
   Financed by: Ministerio de Ciencia e Innovación
   Project ID: PID2020-115313RB-I00
   Start-end dates: 01/09/2021-31/08/2024
   Budget: 146.410 €

3. **Title**: “CARESOIL – CM”: CARACTERIZACIÓN, REMEDIACIÓN, MODELIZACIÓN Y EVALUACIÓN DEL RIESGO DE LA CONTAMINACIÓN DE SUELOS Y AGUAS SUBTERRANEAS
   Financed by: Comunidad de Madrid
   Project ID: P2018/EMT- 4317
   Start-end dates: 01/01/2019-31/12/2022
   Budget: 144.089 €

4. **Title**: COMBINACION DE TECNICAS GEOQUIMICAS Y GEOFISICAS PARA LA CARACTERIZACION ESPACIAL DE CONTAMINANTES DENSOS EN SUELOS Y ACUIFEROS SUPERFICIALES
   Financed by: Ministerio de Economía y Competitividad
   Project ID: CTM2016-77151-C2-2-R
   Start-end dates: 01/01/2017-31/12/2020
   Budget: 180.290 €

5. **Title**: DINÁMICA DEL MERCURIO EN LA INTERFASE EDAFOSFERA-HIDROSFERA

Financed by: Ministerio de Ciencia e Innovación
Project ID: MICINN-09-CGL2009-13171-C03-03
Start-end dates: 2009-2012
Budget: 74.000 €

C.4. Technology/Knowledge transfer

1. **Title:** Caracterización de un emplazamiento contaminado por fases densas mediante métodos geoquímicos no convencionales (OTT: P21 0648 0382)
   Financed by: Empresa para la Gestión de Residuos Industriales, S.A. (EMGRISA)
   Start-end dates: September 2021 – January 2022
   Budget: 5.566 €

2. **Title:** Análisis crítico de la adecuación de las metodologías y herramientas técnicas estándar de Evaluación de Riesgos Ambientales a los requisitos de la legislación vigente en materia de suelos contaminados (FGP: 10-01A-03243.4/2009)
   Financed by: Comunidad de Madrid
   Start-end dates: 2012
   Budget: 17.377 €

3. **Title**: Aplicación de técnicas de prospección geoquímica al subsuelo de emplazamientos afectados por hidrocarburos (OTT: P11 0620-199)
   Financed by: REPSOL YPF
   Start-end dates: 2011
   Budget: 31.770 €

4. **Title**: Caracterización geoquímica y análisis de riesgos ambientales en un emplazamiento potencialmente contaminado por cobalto y manganeso (OTT: P04 0620-488)
   Financed by: Compañía Española de Petróleos, S.A. (CEPSA)
   Start-end dates: 2004-2005
   Budget: 15.254 €

5. **Title**: Determinación de niveles genéricos de referencia para protección de la salud humana de metales pesados y otros elementos traza en suelos de la Comunidad de Madrid (OTT: P03 0620-563)
   Financed by: Comunidad de Madrid
   Start-end dates: 2003
   Budget: 11.900 €