

Profiles of people in STEM careers

W-STEM Consortium

Abstract

The aim of this survey is to gather data from current and past students to provide some useful information to potential STEM students and share with them similar concerns that other people have had. This is the deliverable D2.3.1 (English version) of the W-STEM project [1-19].

Keywords

Women, Science, CBHE, EU, gender, STEM, W-STEM, Latin-America

Link to the survey

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References

- [1] F. J. García-Peñalvo, "Women and STEM disciplines in Latin America: The W-STEM European Project," *Journal of Information Technology Research*, vol. 12, no. 4, pp. v-viii, 2019.
- [2] F. J. García-Peñalvo, "W-STEM Project Overview," presented in W-STEM Erasmus+ project Kick-Off, Salamanca, Spain, March 25-27, 2019, 2019. Available from: <https://goo.gl/19vjtX>. doi: 10.5281/zenodo.2605431.
- [3] A. García-Holgado, "Proyecto europeo W-STEM," Universidad Nacional San Agustín de Arequipa, Perú, 2019. Available from: <https://zenodo.org/record/3531553>. doi: 10.5281/zenodo.3531553.
- [4] A. García-Holgado, A. Camacho Díaz and F. J. García-Peñalvo, "Engaging women into STEM in Latin America: W-STEM project," in *TEEM'19 Proceedings of the Seventh International Conference on Technological Ecosystems for Enhancing Multiculturality* (Leon, Spain, October 16th-18th, 2019), M. Á. Conde-González, F. J. Rodríguez-Sedano, C. Fernández-Llamas and F. J. García-Peñalvo, Eds. ICPS: ACM International Conference Proceedings Series, pp. 232-239, New York, NY, USA: ACM, 2019. doi: 10.1145/3362789.3362902.
- [5] F. J. García-Peñalvo, "Innovative Teaching Approaches to attract, engage, and maintain women in STEM: W-STEM project," presented in Coimbra Group Seminar. Innovation in Learning and Teaching in Science, Technology, Engineering and Mathematics (STEM) fields, Granada, Spain, 14 November 2019, 2019. Available from: <https://bit.ly/2NWGFyA>. doi: 10.5281/zenodo.3538939.

- [6] A. Camacho Díaz and F. J. García-Peñalvo, "W-STEM Project overview at the International Leadership Summit," presented in W-STEM International Leadership Summit, Cartagena de Indias, Colombia, November 25th, 2019. Available from: <https://bit.ly/2XIN5pL>. doi: 10.5281/zenodo.3552377.
- [7] F. J. García-Peñalvo, A. Bello, Á. Domínguez and R. Romero Chacón, "W-STEM International Leadership Summit World Café Report," W-STEM Consortium, Brussels, Belgium, Technical Report, 2019. Available from: <https://bit.ly/2RMAHUy>. doi: 10.5281/zenodo.3575091.
- [8] A. García-Holgado, S. Verdugo-Castro, M. C. Sánchez-Gómez and F. J. García-Peñalvo, "Facilitating Access to the Role Models of Women in STEM: W-STEM Mobile App," in Learning and Collaboration Technologies. Design, Experiences. 7th International Conference, LCT 2020, Held as Part of the 22nd HCI International Conference, HCII 2020, Copenhagen, Denmark, July 19–24, 2020, Proceedings, Part I, P. Zaphiris and A. Ioannou, Eds. Lecture Notes in Computer Science, no. 12205, pp. 466-476, Cham, Switzerland: Springer Nature, 2020. doi: 10.1007/978-3-030-50513-4_35.
- [9] F. J. García-Peñalvo, "A brief presentation of W-STEM project: Main goals, results and current status," presented in 2021 Cluster Meeting Erasmus+ CBHE projects in Latin America & Caribbean: Building Capacity and Promoting Cooperation in Higher Education, Brussels, Belgium, October 29, 2021. Available from: <https://zenodo.org/record/5613248>. doi: 10.5281/zenodo.5613248.
- [10] A. García-Holgado and F. J. García-Peñalvo, "El Proyecto W-STEM y la Mujer en la Ciencia," presented in Encuentro Internacional de Investigación e Innovación en Ciencias Básicas, Universidad Autónoma de Bucaramanga (Colombia), 11 de noviembre, 2021. Available from: <https://bit.ly/3oml9V1>. doi: 10.5281/zenodo.5675815.
- [11] S. Verdugo-Castro, A. García-Holgado, M. C. Sánchez-Gómez and F. J. García-Peñalvo, "Multimedia Analysis of Spanish Female Role Models in Science, Technology, Engineering and Mathematics," Sustainability, vol. 13, no. 22, art. 12612, 2021. doi: 10.3390/su132212612.
- [12] F. J. García-Peñalvo, A. Bello, A. Dominguez and R. M. Romero Chacón, "Gender Balance Actions, Policies and Strategies for STEM: Results from a World Café Conversation," Education in the Knowledge Society, vol. 20, art. 31, pp. 31-1 – 31-15, 2019. doi: 10.14201/eks2019_20_a31.
- [13] F. J. García-Peñalvo, A. García-Holgado, A. Dominguez and J. Pascual Eds., "Women in STEM in Higher Education. Good Practices of Attraction, Access and Retainment in Higher Education," Lecture Notes in Educational Technology (LNET) Singapore: Springer Singapore, 2022. doi: 10.1007/978-981-19-1552-9.
- [14] A. García-Holgado and F. J. García-Peñalvo, "A Model for Bridging the Gender Gap in STEM in Higher Education Institutions," in Women in STEM in Higher Education. Good Practices of Attraction, Access and Retainment in Higher Education, F. J. García-Peñalvo, A. García-Holgado, A. Dominguez and J. Pascual, Eds. Lecture Notes in Educational Technology (LNET), pp. 1-19, Singapore: Springer Singapore, 2022. doi: 10.1007/978-981-19-1552-9_1.
- [15] A. García-Holgado et al., "Estudio piloto sobre la percepción de la brecha de género en estudios de ingeniería informática," in Actas del V Congreso Internacional sobre Aprendizaje, Innovación y Competitividad. CINAIC 2019 (9-11 de Octubre de 2019, Madrid, España), M. L. Sein-Echaluce Lacleta, Á. Fidalgo-Blanco and F. J. García-Peñalvo, Eds. pp. 698-703, Zaragoza, Spain: Servicio de Publicaciones Universidad de Zaragoza, 2019. doi: 10.26754/CINAIC.2019.0142.
- [16] A. García-Holgado, A. Camacho Díaz and F. J. García-Peñalvo, "La brecha de género en el sector STEM en América Latina: Una propuesta europea," in Actas del V Congreso Internacional sobre Aprendizaje, Innovación y Competitividad. CINAIC 2019 (9-11 de Octubre de 2019, Madrid, España), M. L. Sein-Echaluce Lacleta, Á. Fidalgo-Blanco and F.

- J. García-Peñalvo, Eds. pp. 704-709, Zaragoza, Spain: Servicio de Publicaciones Universidad de Zaragoza, 2019. doi: 10.26754/CINAIC.2019.0143.
- [17] F. J. García-Peñalvo, A. Bello, Á. Domínguez and R. Romero Chacón, "Informe del W-STEM International Leadership Summit World Café. Cartagena de Indias, Colombia, 26 de noviembre de 2019," W-STEM Consortium, Brussels, Belgium, Technical Report, 2020. Available from: <https://bit.ly/2Yp7DEg>. doi: 10.5281/zenodo.3892829.
- [18] S. Verdugo-Castro, M. C. Sánchez-Gómez and A. García-Holgado, "Opinions and Perceptions about STEM Studies in Higher Education: An Exploratory Case Study in Spain," *Education in the Knowledge Society*, vol. 23, art. e27529, 2022. doi: 10.14201/eks.27529.
- [19] M. G. Alonso de Castro and F. J. García-Peñalvo, "Examples of Good Practices in Erasmus+Projects that Integrate Gender and STEM in Higher Education," in *Women in STEM in Higher Education. Good Practices of Attraction, Access and Retainment in Higher Education*, F. J. García-Peñalvo, A. García-Holgado, A. Dominguez and J. Pascual, Eds. *Lecture Notes in Educational Technology (LNET)*, pp. 181-197, Singapore: Springer Singapore, 2022. doi: 10.1007/978-981-19-1552-9_10.