

Competitive selection for an academic teaching position participant's profile

Full name: **Giuseppe T. Cirella**

Position held, part of regular rate of pay:

[EN] **Associate Professor, scientific specialty 25.00.24 "Economic, social, political and recreational geography", 1.0 rate**

[RU] **Доцент, 25.00.24 «Экономическая, социальная, политическая и рекреационная география», 1,0 ставка**

Department:

[EN] **Department of Regional Policy and Political Geography**

[RU] **Кафедра региональной политики и политической географии, научная специальность**

Competition announcement date: published 27.04.2016 – deadline 27.05.2016

1. Name of present employer (organization, position held): **Khmer University of Technology and Management**
2. Science degree (please indicate academic field): **Human Geography, Sustainability and Environmental Management**
3. Academic title: **Doctor**
4. Accumulated period of academia: **10 years**
5. Total number of published works: **22**
6. Research papers, learning and teaching materials, creative projects for the 5 last years or from the moment of the previous winning in competition:

| № п/ п | Name of work / paper | Manuscript / printed | Name of the publishing company, magazine (number, year) / copyright certificate number | Number of printed sheets or pages | Co-author's name |
|--------------|--|-------------------------|--|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1. | Environmental management systems for Nigeria's higher education: Pilot analysis | Journal Article | Emerald Publishing <i>International Journal of Sustainability in Higher Education</i> , In Press., 2016 ISSN: 1467-6370 | pp. 1-8 | Iyalomhe, F., Cirella, G. T. , and Russo, A. |
| 2. | Index of sustainable functionality: Procedural developments and application in Urat Front Banner, Inner Mongolia Autonomous Region | Journal Article | Common Ground Publishing LLC, Champaign, Illinois, USA <i>The International Journal of Environmental Sustainability</i> , Vol. 10, Issue 2, 2015 ISSN: 2325-1077 | pp. 15-31 | Cirella, G. T. , and Zerbe, S. |

Сведения, содержащиеся в п. 1-14 настоящей анкеты, публикуются на официальном сайте СПбГУ и представляются членам Ученого совета Факультета (Ученого совета СПбГУ) в соответствии с п. 3.3. Положения о конкурсе на замещение должностей профессорско-преподавательского состава СПбГУ от 06.07.2012

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| 3. | A Comparison of the Functional Traits of Common Reed (<i>Phragmites australis</i>) in Northern China: Aquatic vs. Terrestrial Ecotypes | Journal Article | Public Library of Science <i>PLoS ONE</i> , Vol. 9, Issue 2, 2014 DOI:10.1371/journal.pone.0089063 | pp. 1-7 | Li, L., Han, W., Thevs, N., Jia, X., Ji, C., Jin, D., He, P., Schmitt, A. O., Cirella, G. T. , and Zerbe, S. |
| 4. | Quizzical societies: A closer look at sustainability and principles of unlocking its measurability | Journal Article | Common Ground Publishing LLC, Champaign, Illinois, USA <i>The International Journal of Science in Society</i> , Vol. 5, Issue 3, 2014 ISSN: 1836-6236 | pp. 29-45 | Cirella, G. T. , and Zerbe, S. |
| 5. | Turkish regionalism: Partnerships, tactfulness and national interests with Europe and beyond | Journal Article | Common Ground Publishing LLC, Champaign, Illinois, USA <i>The International Journal of Interdisciplinary Civic and Political Studies</i> , Vol. 8, Issue 1, 2014 ISSN 2327-0071 | pp. 23-32 | Cirella, G. T. |
| 6. | The index of sustainable functionality: An application for measuring sustainability | Journal Article | World Academy of Science, Engineering and Technology, waset.org <i>International Journal of Human and Social Sciences</i> , Vol. 5, Issue 5, 2010 | pp. 279-285 | Cirella, G. T. and Tao, L. |
| 7. | The missing bottom line: A design perspective on the history of sustainability | Journal Article | Common Ground Publishing LLC, Champaign, Illinois, USA <i>Design Principles and Practice: An International Journal</i> , Vol. 3, Issue 1, 2009 ISSN 1833-1874 | pp. 197-211 | Cirella, G. T. , and Tao, L. |
| 8. | An adaptive quantitative method to measure sustainability: An application for the State of Queensland, Australia | Journal Article | Common Ground Publishing LLC, Champaign, Illinois, USA <i>The International Journal of Environmental, Cultural, Economic and Social Sustainability</i> , Vol. 5, Issue 1, 2009 ISSN 1832-2077 | pp. 127-139 | Cirella, G. T. , and Tao, L. |
| 9. | Measuring sustainability: an application using the index of sustainable functionality in South East Queensland, Australia | Journal Article | Common Ground Publishing LLC, Champaign, Illinois, USA <i>International Journal of Interdisciplinary Social Sciences</i> , Vol. 3, Issue 8, 2008 ISSN 1833-1882 | pp. 231-240 | Cirella, G. T. , and Tao, L. |
| 10. | An application of an adaptive quantitative method to measure the sustainability of the Gold Coast, Australia | Journal Article | Coastal Education and Research Foundation, Inc., USA <i>Journal of Coastal Research</i> , S150, 2007 ISSN: 0749-0208 | pp. 52-56 | Cirella, G. T. , Tao, L., and Mohamed, S. |
| 11. | The KULTURisk Framework (KR-FWK): A conceptual framework for comprehensive assessment of risk prevention measures | European Commission and UNESCO-IHE Project Deliverable | European Commission FP7-ENV-2010 Project 265280 UNESCO-IHE Deliverable 1.6, 2012 <i>Knowledge-based approach to develop a cULTURE of Risk prevention (KULTURisk)</i> , www.kulturisk.eu | pp. 1-27 | (Authors) Stefano, B., Giupponi, C., Gain, A., Mojtahed, V., Gallina, V., Torresan, S., and Marcomini, A. (Contributors) Semenzin, E., Cirella, G. T. , Zabeo, A., and Isigonis, P. |
| 12. | Development of a strategy to evaluate risk perception of | European Commission | European Commission FP7-ENV-2010 Project 265280 | pp. 1-51 | Salvini, G., Semenzin, E., |

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| | water-related natural hazards | and UNESCO-IHE Project Deliverable | UNESCO-IHE Deliverable 1.3, 2011 <i>Knowledge-based approach to develop a cULTURE of Risk prevention (KULTURisk)</i> , www.kulturisk.eu | | Cirella, G. T., Critto, A., and Marcomini, A. |
| 13. | Review of risk assessment and management methodologies | European Commission and UNESCO-IHE Project Deliverable | European Commission FP7-ENV-2010 Project 265280 UNESCO-IHE Deliverable 1.2, 2011 <i>Knowledge-based approach to develop a cULTURE of Risk prevention (KULTURisk)</i> , www.kulturisk.eu | pp. 1-69 | Semenzin, E., Bonso, G., Cirella, G. T., Critto, A., Marcomini, A. |
| 14. | The index of sustainable functionality of South East Queensland: An adaptive quantitative method to measure sustainability | Technical Report | Griffith University Library Press: Australia, Griffith School of Engineering, Griffith University, 2006 | pp. 1-110 | Cirella, G. T. |
| 15. | Developing a quantitative multi-criteria method of sustainability assessment: With application in Queensland, Australia | Thesis | Griffith University Library Press: Australia, Doctor of Philosophy (Ph. D.) Degree, 2010 | pp. 1-1014 | Cirella, G. T. |
| 16. | Sustainable water management and wetland restoration in settlements of continental-arid Central Asia | Book | Bozen University Press: Italy, 2014 ISSN 978-88-6046-069-1 | pp. 242 | Cirella, G. T., and Zerbe, S. (eds.) |
| 17. | Sustainability assessment: Developing a quantitative multi-criteria method with application in Queensland, Australia | Book | LAP: Germany, 2011 ISBN10 3844316728 ISBN13 9783844316728 | pp. 636 | Cirella, G. T. |
| 18. | Ch. 1: Introduction | Book Chapter | Bozen University Press: Italy, Book chapter in "Sustainable water management and wetland restoration in settlements of continental-arid Central Asia", 2014 ISSN 978-88-6046-069-1 | pp. 1-10 | Zerbe, S., Cirella, G. T., and Thevs, N. |
| 19. | Ch. 5: Stoichiometry and functional traits of reed (<i>Phragmites australis</i>) | Book Chapter | Bozen University Press: Italy, Book chapter in "Sustainable water management and wetland restoration in settlements of continental-arid Central Asia", 2014 ISSN 978-88-6046-069-1 | pp. 69-81 | Li, L., Zerbe, S., He, P., Thevs, N., Cirella, G. T., Köbbing, J. F. |
| 20. | Ch. 9: Index of sustainable functionality: Application in Urat Front Banner | Book Chapter | Bozen University Press: Italy, Book chapter in "Sustainable water management and wetland restoration in settlements of continental-arid Central Asia", 2014 ISSN 978-88-6046-069-1 | pp. 137-155 | Cirella, G. T., and Zerbe, S. |
| 21. | Ch. 12: Conclusion and interdisciplinary recommendations | Book Chapter | Bozen University Press: Italy, Book chapter in "Sustainable water management and wetland restoration in settlements of continental-arid Central Asia", 2014 ISSN 978-88-6046-069-1 | pp. 173-187 | Cirella, G. T., Brusetti, L., Baratieri, M., He, P., Thevs, N., Ott, K., and Zerbe, S. |

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| 22. | Ch. 16: Natural hazard risk assessment and management methodologies review: Europe | Book Chapter | Springer Publications: Hella, Iceland, Book chapter for North Atlantic Treaty Organization (NATO) Advanced Research in "Sustainable Cities and Military Installations, 2014 ISBN 9789400771604 | pp. 329-358 | Cirella, G. T., Semenzin, E., Critto, A. and Marcomini, A. |
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7. Major projects over the previous years (at your option):

| № п/п | Name of work / paper | Manuscript / printed | Name of the publishing company, magazine (number, year) / copyright certificate number | Number of printed sheets or pages | Co-author's name |
|-------|---|----------------------|--|-----------------------------------|------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1. | 2012-2014 Sustainable water management and wetland restoration in settlements of continental-arid Central Asia (SuWaRest) suwarest.unibz.it Kurt Eberhard Bode-Stiftung, Germany and University Foundation of Free University of Bozen, Italy [Funding value: Euro 2.5 million] | | | | |
| 2. | 2011-2012 Knowledge-based approach to develop a cULTURE of Risk prevention (KULTURisk) kulturisk.eu FP7-ENV-2010 Project 265280 [Funding value: Euro 7 million] | | | | |

8. Number of publications in data bases:

Russian Science Citation Index 0, Hirsch index 0

Web of Science Core Collection 2, в т.ч. за последние 3 года 1. Индекс Хирша 1.

Scopus 5, в т.ч. за последние 3 года 3, индекс Хирша 1

Google Scholar 36, Hirsch index 1

9. Information on the Ph.D. students being supervised by you and passed Ph.D. defense

| Number of Ph.D. students / Doctoral students | Topic of Thesis research | Academic field | Date of Thesis defence |
|--|--|---------------------------|------------------------|
| Ph.D. Thesis | | | |
| Dr. Felix Iyalomhe | Assessment and management of environmental impacts and risks related to climate change | Environment and Geography | 13.03.2013 |
| Dr. Luigi Borruso | Bacterial communities as a promising bioindicator for watershed management | Environmental Science | 20.03.2013 |
| Dr. Francesco Patuzzi | Modeling and experimental characterisation of biomass thermal treatment: torrefaction and pyrolysis applied to wetland and grass biomasses | Environmental Physics | 06.02.2013 |
| Doctoral Thesis | | | |
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10. Participation in research projects, programs and grants the 5 last years or from the moment of the previous winning in competition:

- **2012-2014** Sustainable water management and wetland restoration in settlements of continental-arid Central Asia (SuWaRest) | suwarest.unibz.it | Kurt Eberhard Bode-Stiftung, Germany and University Foundation of Free University of Bozen, Italy
[Funding value: Euro 2.5 million]
- **2011-2012** Knowledge-based approach to develop a cULTURE of Risk prevention (KULTURisk) kulturisk.eu | FP7-ENV-2010 | Project 265280
[Funding value: Euro 7 million]

11. Expert activities (which includes membership in Dissertation Council, Expert Council of the State Commission for Academic Degrees and Titles, scientific councils of Russian Academy of Sciences and etc.):

Reviewer: International Journal of Human Geography and Environmental Studies

Reviewer: International Journal of Sustainability Science and Studies

Reviewer: The International Journal of Interdisciplinary Social Sciences

Reviewer: Design Principles and Practices: An International Journal

Associate Reviewer: Environmental Management

Associate Reviewer: Journal of Geography

Associate Reviewer: European Journal of Geography

12. Membership in scientific review editorial boards, organizing committees of international conferences:

Member: Polo Centre of Sustainability, Director and Head of Research, since 2009

Member: Engineers Australia, since 2007

Member: Association of American Geographers, since 2012

Member: National Geographic Society, since 2008

13. Honorary academic degrees, international, state, academic or other prizes, winnings in international competitions and All-Russian competitions:

Griffith University: December 2014 Honorary Ph. D.

14. Other information on educational and research or creative activities (at your option)

As the director of the Polo Centre of Sustainability [polocentre.org], I would be interested in moving the Centre to the University and working from there. I believe it would be an excellent opportunity to create project proposals and externally sourced research funding.