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**Please (1) add line numbers in the full test; and (2) insert the Figures and Tables directly into the corresponding positions in the manuscript. The full text should not exceed 10,000 words**

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**e.g.,**

**Characteristics and utilization of plant diversity and resources in Central Asia**

**Author information**

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**Abstract**

Abstract should be more than 250 words which can conclude the whole content of the paper, including background/purpose, methods, results, conclusions and scientific significance. Equations, figures and tables, as well as references are not supposed to appear in this part. When abbreviation is firstly used, it should contain the full name with its abbreviation included in parentheses, such as “mixed multinominal logit (MMNL) model”. Do NOT use the first person as subject. Do NOT repeat the title as the first sentence of the Abstract. Simple sentence and active voice are preferred, and verb should be close to the subject.

**e.g.,**

Morocco wants its 12 regions to play the role as the main lever of its public policies to initiate harmonized spatial multidimensional development. In the context of this goal and Morocco’s openness over the past two decades to bilateral and multilateral cooperation in an effort toward regional integration, this article studies the convergence of 389 regions in 36 countries (Morocco and 35 of its partner member countries in the Organization for Economic Co-operation and Development (OECD)) between 2000 and 2019 in terms of well-being. To this end, we considered the territorial dimension of β-convergence models for well-being and its four domains (economic, social, environmental, and governance). Then, we adapted the absolute β-convergence model by taking into account the existence of spatial heterogeneity according to five specifications of spatial models. Thus, apart from environmental domain, we found that β-convergence of regions is significant for well-being and three of its domains (economic, social, and governance). These convergences are made by a spatially autocorrelated error model (SEM). However, the speed and period of convergence are relatively low for social domain, partly explaining the very exacerbated tensions at the territorial level. The fastest convergence was achieved in governance domain, followed by economic domain. This suggests that emerging countries must pay particular attention to national public action in favor of social cohesion at the territorial level. The lack of convergence in environmental domain calls for common actions for all countries at the supranational level to protect the commons at the territorial level.

**Keywords**

The keywords should (1) fully reflect the manuscript with high frequency; (2) can be easily searched by the search engine; (3) 6-7 keywords are needed

**e.g.,**

Central villages; Spatial reorganization; Rural sustainable development; Urban-rural integration;

Urban service; Abbasiya District

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**e.g.,**

Diverse social and environment problems around the world are caused by the spatial environment issues in rural and urban areas. Uncontrolled urban expansion is catastrophic for traditional rural areas and ecosystems. Residents in rural areas commonly cannot access quality housing, economic resources, and public services (Yang et al., 2011).

In Japan, the government promoted “comprehensive villages” as a form of integrated town construction (Liu, 2023), while China sought to address the impact of the terrible urban expansion on agricultural lands in the last 30 years by radical institutional change, administrative restructuring, and activating of regional planning in urban and rural areas (Kamelin et al., 1981; Adylov, 1983, 1987; Nabiev, 1986; Adylov and Zuckerwanik, 1993).

Similar numbers were published by Zhang et al. (2013), who recorded 9346 species of vascular plants belonging to 127 families and 1279 genera across Central Asia.

**2. Material and methods**

Provide sufficient details to allow the work to be reproduced by an independent researcher. Methods that are already published should be summarized and indicated by reference(s). If quoting directly from previously published methods, please use quotation marks and also cite the sources. Any modifications to existing methods should also be stated.

*2.1.*

*2.2.*

*2.2.1.*

*2.2.2.*

**3. Results**

*3.1.*

*3.2.*

*3.2.1.*

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**e.g.,**



**Fig. 1.** Geographic map of Central Asian countries and the Xinjiang Uygur Autonomous Region (China).

**Table 1** (Note: The contents in tables should be concise and exact, and the style of tables use three-lines)

Output of Multiple Regression Analysis (MRA) on the impacts of climate variables on the yields of leguminous crops.

|  |  |  |  |
| --- | --- | --- | --- |
| Leguminous crops (dependent variable) | Climate variable (explanatory variable) | Correlation coefficient (*r*) | *P*-value |
| Groundnuts | Annual rainfall | 0.0009 | 0.270 |
| Annual mean temperature | 0.5370 | 0.100 |
| Rainfall onset | –0.0036 | 0.710 |
| Rainfall cessation | 0.0210 | 0.050\*\* |
| Length of rainy days | 0.0211 | 0.060 |
| Number of dry days | –0.0090 | 0.320 |

Note: \*\*, statistical significanceat *P*≤0.050 level. Correlation coefficient (*r*) less than 0.3900 denotes weak relationship; correlation coefficient between 0.4000 and 0.7990 denotes medium correlation; and correlation coefficient higher than 0.7990 denotes significant correlation. *R*2,coefficient of determination; multiple *R* denotes the multiple correlation between leguminous crops and climate variables.

**4. Discussion**

This section should explore the significance, mechanism, and causes of the findings, rather than repeating them. It is also recommended to combine the results and discussion into a single section. Appropriate citations are necessary to demonstrate the point of view.

*4.1.*

*4.2.*

**e.g.,**

InVEST model is based on the principle of water balance and streamlines the procedures of water production assessment. However, it also exists some usage shortcomings, such as the inability to validate various parameters and evaluation outcomes properly (Lü et al., 2020). A considerable number of academic publications are cited to verify the results of this study (Zhao et al., 2008; Nie, 2010; Wang et al., 2010; Niu et al., 2013; Tian et al., 2014; Cao et al., 2016). These results are generally consistent with our conclusions, which can be used as proof that the model’s calculations are accurate. At the same time, this study was not able to collect year-by-year data during 2000–2015, which makes the calculation results spaning a long-time scale, so there is room for improvement in subsequent studies.

**5. Conclusions**

The main conclusions of the study may be presented in a short Conclusions section. This section should be summarized in points without tedious description of background, methods, main results, recommendations/suggestions, etc.

**e.g.,**

Rainfall, evapotranspiration, and FVC directly impact water conservation on the southern slope of Qilian Mountains. The vegetation in Menyuan County is dense and consists primarily of forest. In addition, the region receives abundant rainfall, making it an important place for water conservation.

Terrain characteristic significantly impacts water conservation on the southern slope of Qilian Mountains. Specifically, water conservation generally decreases as the increases of DEM and slope increase. The steeper the slope is, the less the water conservation.

The importance level of water conservation functional areas on the southern slope of Qilian Mountains is lower in the northwest and higher in the southeast, with the crucial areas located in Menyuan County.

**Authorship contribution statement**

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**e.g.,**

Houda McCarthy Rjili (First name Middle name Last name): conceptualisation, investigation, data curation, formal analysis, methodology, software, and writing- original draft. Mohamed Jaouad (First name Middle name Last name): resources, supervision, writing–review and editing, and validation. Chaker Selmi (First name Middle name Last name): data presentation, software, and methodology.

**Declaration of competing interest**

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The authors affirm that they have no known financial or interpersonal conflicts that would have appeared to have an impact on the research presented in this study.

**Acknowledgements**

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The authors would like to acknowledge the National Natural Science Foundation of China (Grant No.: xxxxxx), Open Foundation of Hypervelocity Impact Research Center of CARDC (Grant No.: 20180201) and Open Project of State Key Laboratory of Explosion Science and technology in Beijing Institute of Technology (Grant No.: xxxxxx) to provide fund for conducting experiments.

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Ethics approval was obtained from the Ethics Committee of Arid Regions Institute of Medenine. In addition, the participants provided their informed consent to participate in this study.

**References**

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Reference to a journal publication:

**e.g.,**

Peters, G.F., Romi, A.M., 2014. Does the voluntary adoption of corporate governance mechanisms improve environmental risk disclosures? Evidence from greenhouse gas emission accounting. J. Bus. Ethics 125 (11), 637–666.

(Note: Volume and issue information is required.)

Reference to a journal publication with incomplete page number:

**e.g.,**

Zhang, P., Cui, Z.J., Xu, H., et al., 2020. Thirst or malnutrition: The impacts of invasive insect Agrilus mali on the physiological status of wild apple trees. Forests. 11(4), 440, <https://doi.org/10.3390/f11040440>.

Reference to a supplementary issue

**e.g.,**

Kang, E.S., Cheng, G.D., Lan, Y.C., et al., 1999. A model for simulating the response of runoff from the mountainous watersheds of inland river basins in the arid area of northwest China to climatic changes. Science in China (Series D). 29(Suppl.), 52–63. (in Chinese)

Reference to a book:

**e.g.,**

Strunk Jr., W., White, E.B., 1979. The Elements of Style. (3rd edition). Macmillan: New York, 1–51.

Reference to a chapter in an edited book:

**e.g.,**

Mettam, G.R., Adams, L.B., 1999. How to prepare an electronic version of your article. In: Jones, B.S., Smith, R.Z., (eds.). Introduction to the Electronic Age. New York: E- Publishing Inc., 281–304.

Reference to a conference paper:

**e.g.,**

Pan, F., Bent, R., Berscheid, A., et al., 2010. Locating phev exchange stations in v2g. In: 2010 First IEEE International Conference on Smart Grid Communications. New York: IEEE, 173–178.

Reference to a website:

**e.g.,**

UNESCO. 2009. IWRM Guidelines at River Basin Level: Part 1 Principles. [2011-03-30]. <http://www.unesco.org/water>.

Reference to a doctoral dissertation

**e.g.,**

McCarthy, T., 2000. Ecology and conservation of snow leopards, gobi brown bears and wild bactrian camels in Mongolia. PhD Dissertation. Amherst: University of Massachusetts, 3–330.

Reference to a Master dissertation

**e.g.,**

Wei, H., 2004. Study of water resources carrying capacity in Minqin Basin. MSc Thesis. Lanzhou: Lanzhou University (in Chinese).

Reference to a technical report

**e.g.,**

Grell, G.A., Dudhia, J., Satuffer, D.R., 1994. A description of the Fifth-Generation Penn State/NCAR Mesoscale Model (MM5). In: National Center for Atmospheric Research. NCAR Technical Report Note TN-398. Colorado, USA.

**Appendix**

Formulae and equations in appendices should be given separate numbering: Eq. S1, Eq. S2, and so on. Similarly for tables and figures: Table S1, Fig. S1 etc.