

## **Tematica si bibliografia pentru concursul de ocupare a unui post vacant de cercetator stiintific gradul III, CS III, perioada determinata**

**Tematica I: Capacități de monitorizare prin satelit a schimbărilor în serviciile ecosistemice ale solului**

**Tematica II: Impactul modificării calității ecosistemelor asupra sustenabilitatii mediului**

**Thematic I: Satellite capabilities to monitor soil ecosystem services changes**

**Thematic II: Impact of ecosystem quality change on environmental sustainability**

### **Bibliography**

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[\(2\) \(PDF\) Soil ecosystem services: an overview \(researchgate.net\)](#)

2. Baveye PC., Baveye J., Gowdy J. Soil “Ecosystem” Services and Natural Capital: Critical Appraisal of Research on Uncertain Ground. Front. Environ. Sci. vol 4, 2016. Doi: [10.3389/fenvs.2016.00041](https://doi.org/10.3389/fenvs.2016.00041)

[Frontiers | Soil “Ecosystem” Services and Natural Capital: Critical Appraisal of Research on Uncertain Ground \(frontiersin.org\)](#)

3. Zhao Y., Liu Z., Wu J. Grassland ecosystem services: a systematic review of research advances and future directions. Landscape Ecol. 35:793-814. Doi: [10.1007/s10980-020-00980-3](https://doi.org/10.1007/s10980-020-00980-3)

[\(2\) \(PDF\) Grassland ecosystem services: a systematic review of research advances and future directions \(researchgate.net\)](#)

4. Tempfli K., Kerle N., Huurneman GC., Janssen LL. Principles of Remote Sensing: an introductory textbook. ITC, 2004. ISSN: 1567-5777

[\(2\) \(PDF\) Principles of remote sensing: an introductory textbook. \(researchgate.net\)](#)

5. Pocas I., Calera A., Campos I., Cunha M. Remote sensing for estimating and mapping single and basal crop coefficients: A review on spectral vegetation indices approaches. Agricultural Water Management, 233, 106081, 2020. Doi: [10.1016/j.agwat.2020.106081](https://doi.org/10.1016/j.agwat.2020.106081)

[Remote sensing for estimating and mapping single and basal crop coefficients: A review on spectral vegetation indices approaches - ScienceDirect](#)

6. Verrelst J., Halabuk A., Atzberger C., Hank T., Steinhauser S., Berger K. A comprehensive survey on quantifying non-photosynthetic vegetation cover and biomass from imaging spectroscopy. *Ecological Indicators*, 155:110911, 2023. Doi: [10.1016/j.ecolind.2023.110911](#)

[\(2\) \(PDF\) A comprehensive survey on quantifying non-photosynthetic vegetation cover and biomass from imaging spectroscopy \(researchgate.net\)](#)