University of Ss. Cyril and Methodius in Trnava
Námestie J. Herdu 2
917 01 Trnava

Description of the field of habilitation and inauguration proceedings

University of Ss. Cyril and Methodius in Trnava
Nám. J. Herdu 2, 917 01 Trnava
Identification number of the UCM: 036078913
Name of the faculty: Faculty of Natural Sciences
Address of the faculty: Nám. J. Herdu 2, 917 01 Trnava

The University of Ss. Cyril and Methodius in Trnava body for approving the field of habilitation and inauguration proceedings: **Internal Quality Evaluation Board of UCM in Trnava**
Date of the field of habilitation and inauguration proceedings approval or date of the latest change in the field of habilitation and inauguration proceedings by the University of Ss. Cyril and Methodius in Trnava body: **04.08.2022**
Reference to the results of the latest periodic review of the field of habilitation and inauguration: -

1. Definition of the field of habilitation and inauguration proceedings

a) Name of the field of habilitation and inauguration proceedings

Analytical chemistry

b) Content of the field of habilitation and inauguration proceedings

The habilitation and inauguration procedures are carried out in accordance with the Higher Education Act, Ministry of Education Decree No. 246/2019 Coll. on the procedure for obtaining scientific-pedagogical titles of "associate professor" and "professor", as amended and the internal regulations of the University of Ss. Cyril and Methodius University (UCM) in Trnava. It also complies with the internal regulation of UCM in Trnava 21/2021 on the principles of the habilitation procedure for the award of the title of "associate professor" and the inauguration procedure for the award of the title of "professor" at UCM.

The criteria for assessing the fulfilment of the requirements for obtaining the scientific-pedagogical titles or the artistic-pedagogical titles of "associate professor" are determined by the conditions set out in the internal regulation of UCM in Trnava 22/2021, approved by the Scientific Board of UCM on 20.4.2021, which must be fulfilled by candidates for obtaining the scientific-pedagogical title of "associate professor" or "professor".

http://fpv.ucm.sk/sk/veda-a-vyskum/habilitacie-a-inaugaracie.html

The study field of analytical chemistry is part of the trend towards control systems in various areas of human society. It is closely related to the need to experimentally obtain true and relevant information about chemical, biochemical and other material systems.

c) Name and code of the field of study(s) according to the system of fields of study to which the habilitation and inauguration proceedings is assigned[1]

17. Chemistry

d) Characteristics of the field of habilitation and inauguration proceedings

Associate professor in analytical chemistry has job responsibilities:
THE FIELD OF EDUCATION
- In collaboration with the professor, contributes to the development of knowledge in the field of study 17. Chemistry.
- Guarantees or contributes to guaranteeing the quality and development of the bachelor's degree programme in the field of study 17. Chemistry.
- Conducts lectures and seminars, assesses students, including examinations at state examinations, conducts and opposes final theses.
- Supervises doctoral students.
- Creates study materials.
- Promotes and popularises the study programme in various forms and for various groups of interested persons.

THE FIELD OF SCIENCE AND TECHNOLOGY
- Carries out research or development activities, publishes results in scientific and professional journals and presents results at scientific or professional events of international importance.
- Prepares concepts and proposals for research and development programmes and projects.
- Leads research team.
- Organises scientific events.

A professor of analytical chemistry has work responsibilities:
THE FIELD OF EDUCATION
- Contributes to the advancement of knowledge in the field of study 17. Chemistry.
- Guarantees or contributes to guaranteeing the quality and development of the study programme in the field of study 17. Chemistry.
- Conducts lectures and seminars, assesses students, including examinations at state examinations, and supervises and reviews final theses.
- Supervises doctoral students.
- Creates study materials.
- Promotes and popularizes the study programme in various forms and for various groups of interested students.

THE FIELD OF SCIENCE AND TECHNOLOGY
- Formulates trends and concepts in the field of analytical chemistry.
- Establishes and runs its own scientific school.
- Carries out research and development activities, publishes results in scientific and professional journals and presents them at scientific or professional events of international importance.

[1] *The field of habilitation and inauguration proceedings may be assigned to a maximum of two fields of study.*

- Prepares concepts and proposals for research and development programmes and projects.
- Leads research team.
- Organises international scientific events.

Associate professor as well as professor in the field of Analytical Chemsitry is characterized by independent, critical and analytical thinking. He/she applies his/her own knowledge of theoretical analysis and comprehensive scientific research to solve problems in his/her chosen field. Takes social, scientific, and ethical considerations into account in formulating research objectives and interpreting research results. He/she can design, validate and implement new research and working procedures based on own outputs and findings. He/she independently presents research and development results. He/she can determine the focus of research and coordinate a team in a relevant scientific area, obtain national and international projects.

2. The level of education in the field of habilitation and inauguration proceedings

a) The third level implemented study programmes in the field of study(s) to which the habilitation and inaugural proceedings are assigned are:

107126 Applied analytical and bioanalytical chemistry (full-time)/ https://www.portalvs.sk/en/morho/zobrazit/107126
107125 Applied analytical and bioanalytical chemistry / https://www.portalvs.sk/en/morho/zobrazit/107125

b) The second level implemented study programmes in the field of study(s) to which the habilitation and inaugural proceedings are assigned are:

107122 Applied chemistry/ https://www.portalvs.sk/en/morho/zobrazit/107122

c) Joined first and second level implemented study programmes in the field of study(s) to which the habilitation and inaugural proceedings are assigned are:

107104 Chemistry / https://www.portalvs.sk/en/morho/zobrazit/107104

3. Persons responsible for the habilitation and inauguration proceedings

a) Group of five persons[2], responsible for the development and quality assurance of the habilitation and inauguration proceedings:

[2] *In the case of a field of habilitation and inauguration proceedings the content of which is related to the preparation of experts for some of the regulated professions with the coordination of education listed in Annex no. 2 of Decree of the Ministry of Education, Science, Research and Sport of the Slovak Republic no. 16/2016 Coll. and is based on the definition of the specializations assigned to the regulated professions in question in Annex no. 3 of Government Regulation no. 296/2010 Coll., it is sufficient to meet this requirement if three persons work at the UCM in the field of habilitation and inauguration proceeding or in a related field for fixed weekly working hours, of these persons at least one of them works in the position of professor and has the title of "professor" and the others are in the position of associate professors and have the title "associate professor". Each of these persons may be responsible for the development and quality assurance of maximum one habilitation and inauguration proceeding at the higher education institution in the Slovak Republic.*

University of Ss. Cyril and Methodius in Trnava
Námestie J. Herdu 2
917 01 Trnava

Name and surname		Title	Function	Scientific or artistic activity	
				at the UCM for fixed weekly working hours	in the field of habilitation and inauguration proceeding or in a related field
1.	Ján Titiš	professor	professor	https://www.portalvs.sk/regzam/detail/14383	Inorganic chemistry https://kchem.fpv.ucm.sk/#/o-katedre/pracovnici-katedry
2.	Stanislav Miertuš	professor	professor	https://www.portalvs.sk/regzam/detail/19551	Analytical chemistry http://fpv.ucm.sk/sk/pracovnici-bt.html
3.	Cyril Rajnák	associate professor	associate professor	https://www.portalvs.sk/regzam/detail/22804	Analytical chemistry https://kchem.fpv.ucm.sk/#/o-katedre/pracovnici-katedry
4.	Jozef Sokol	associate professor	associate professor	https://www.portalvs.sk/regzam/detail/6045	Phamaceutical chemistry https://kchem.fpv.ucm.sk/#/o-katedre/pracovnici-katedry
5.	Miroslav Horník	associate professor	associate professor	https://www.portalvs.sk/regzam/detail/10269	Analytical chemistry http://fpv.ucm.sk/sk/pracovnici-ker.html

b) Composition of the Scientific Board of the University of Ss. Cyril and Methodius in Trnava:

https://www.ucm.sk/en/scientific-board-research/

Significant expert(s) with professional capacity to assess the habilitation and the inauguration procedure in the field of study to which the habilitation and the inauguration procedure is assigned:

- Dr. Assoc. prof. RNDr. Miroslav Horník, PhD.

c) Composition of the Scientific Board of the faculty of the University of Ss. Cyril and Methodius in Trnava

http://fpv.ucm.sk/en/management/scientific-board.html

Significant expert(s) with professional capacity to assess the habilitation and the inauguration procedure in the field of study to which the habilitation and the inauguration procedure is assigned:

- Assoc. prof. RNDr. Miroslav Horník, PhD.
- Assoc. prof.. Ing. Andrea Purdešová, PhD.
- prof. Dr. Yaroslav Bazeľ, DrSc.

d) Other support staff of the field of habilitation and inauguration proceedings

Mgr. Magdaléna Mečiarová
http://fpv.ucm.sk/sk/vedenie/dekanat.html

Vice-Rector for Quality and Science at the UCM, available at:
prof. PhDr. Ladislav Lenovský, PhD.
https://www.ucm.sk/en/rectors-collegium/?highlight=Lenovsk%FD

Department of Quality and Science of the UCM, available at:

https://www.ucm.sk/en/contacts-research/

Faculty Vice-Dean for Science, available at:

Mgr. Dominika Vešelényiová, PhD.
http://fpv.ucm.sk/en/management/faculty-management.html

Department/staff member of the faculty, available at:
http://fpv.ucm.sk/en/management/faculty-management.html

4. The level of research, artistic and other activities in the field of study of habilitation and inauguration proceedings, and the level of the UCM quality culture

Indicator	Number	Source link
Publication outputs of a group of persons for the last 6 years in the field according to output categories	125 (WoS) 131 (Scopus)	https://www.webofscience.com/wos/woscc/basic-search https://www.scopus.com/search/form.uri?display=basic#author http://fpv.ucm.sk/sk/veda-a-vyskum/habilitacie-a-inaugaracie.html
Publication outputs of a group of persons registered in WoS or Scopus for the last 6 years in the field according to output categories (or equivalent, e.g., in art)	125 (WoS) 131 (Scopus)	https://www.webofscience.com/wos/woscc/basic-search https://www.scopus.com/search/form.uri?display=basic#author http://fpv.ucm.sk/sk/veda-a-vyskum/habilitacie-a-inaugaracie.html
Publication outputs of doctoral students registered in WoS or Scopus for the last 6 years in the field according to the categories of outputs (or equivalent, e.g., in art).	54 (WoS) 51 (Scopus)	https://www.webofscience.com/wos/woscc/basic-search https://www.scopus.com/search/form.uri?display=basic#author
Responses to the publication outputs of a group of people for the last 6 years	4660 (WoS) 6343 (Scopus)	https://www.webofscience.com/wos/woscc/basic-search https://www.scopus.com/search/form.uri?display=basic#author
Responses to the publication outputs of a group of persons registered in WoS and Scopus for the last 6 years	4660 (WoS) 6343 (Scopus)	https://www.webofscience.com/wos/woscc/basic-search https://www.scopus.com/search/form.uri?display=basic#author
Outputs of creative activity of top international quality (A +) according to the practice in the field	71 (Q1)	https://www.webofscience.com/wos/woscc/basic-search
PhD. students per supervisor (average and maximum)	2 (average)	http://fpv.ucm.sk/sk/o-nas/absolventi-phd.html

	3 (max.)	http://fpv.ucm.sk/sk/studium/doktorandske-studium.html
PhD. students in the corresponding field of habilitation and inauguration proceedings	1 (1st year) 3 (2nd) 2 (3rd) 4 (4th) 35 (graduated)	http://fpv.ucm.sk/sk/o-nas/absolventi-phd.html
Supervisors in the field of habilitation and inauguration proceedings (natural persons, also FTE - the equivalent of full-time job)	11	http://fpv.ucm.sk/images/studium/AABCH_skolitelia_2022.pdf
Approved proposals for the title of professor in the Scientific Board of the UCM in the current year	1 (2019)	http://fpv.ucm.sk/sk/veda-a-vyskum/habilitacie-a-inaugaracie.html
Approved proposals for the title of professor in the faculty Scientific Board of the UCM in the current year	2 (2022) 1 (2011)	http://fpv.ucm.sk/sk/veda-a-vyskum/habilitacie-a-inaugaracie.html
Suspended habilitation and inaugural proceedings (proceedings initiated which were not approved by the Scientific Board, withdrawn by the applicant or otherwise stopped) in the current year	0	http://fpv.ucm.sk/sk/veda-a-vyskum/habilitacie-a-inaugaracie.html

Evaluation of the level of creative activity of the UCM workplace, which is carried out by the field of habilitation and inauguration proceedings	**A+ (4.32)**	See below
The amount of financial support from national and international grant schemes and other competitive sources in the issue of the field	456 092 (2022) 147588 (2021) 127546 (2020)	https://www.ucm.sk/docs/dokumenty/2023/sprava_o_vvc_ucm_2022.pdf (all projects of Faculty of Natural Sciences UCM, currently registration of projects is not by field of study) http://fpv.ucm.sk/images/vedenie/Vron%20sprva%20o%20VV%202021.pdf http://fpv.ucm.sk/images/vedenie/Kompletna%20sprava%20VVC%202020_final2.pdf
Percentual expression of the representation of study fields in which the UCM carries third-level study programmes out of all study fields in which the UCM carries out study programmes	73 % 15 fields of study/ 11 PhD. SP	https://www.ucm.sk/sk/akreditovane-studijne-programy-01/

The most important outputs of the creative activity of the group of persons responsible for the development and quality assurance of the field of habilitation and inaugural proceedings:

Person	Category, title, and abbreviated bibliographic data of the output		Available at:	Cited in:	Characterized:	Quality level
1.	For the last 6 years	**ADC Titiš, J.,** Rajnák, C., Valigura, D., Boča, R. Field influence on the slow magnetic relaxation of nickel-based single ion magnets (**2018**) Dalton Transactions, 47 (24), pp. 7879-7882.	https://pubs.rsc.org/en/content/articlelanding/2018/dt/c8dt01445k	WoS (24) Scopus (22)	https://kchem.fpv.ucm.sk/#/o-katedre/pracovnici-katedry	Q1 (A+)
		ADC Dey, B., Roy, S., **Titiš, J.**, Boča, R., Bera, S.P., Mondal, A., Konar, S. Above Room Temperature Spin Transition in Thermally Stable Mononuclear Fe(III) Complexes	https://pubs.acs.org/doi/10.1021/acs.inorgchem.8b02405	WoS (15) Scopus (15)	https://kchem.fpv.ucm.sk/#/o-katedre/pracovnici-katedry	Q1 (A+)

		(**2019**) Inorganic Chemistry, 58 (2), pp. 1134-1146.				
	For the whole period	**ADC Titiš, J.,** Boča, R.: Magnetostructural D Correlation in Nickel(II) Complexes: Reinvestigation of the Zero-Field Splitting. Inorganic Chemistry. 49 (**2010**), pp. 3971-3973.	https://pubs.acs.org/doi/10.1021/ic902569z	WoS (78) Scopus (78)	https://kchem.fpv.ucm.sk/#/o-katedre/pracovnici-katedry	Q1 (A+)
		ADC Titiš, J., Boča, R.: Magnetostructural D Correlations in Hexacoordinated Cobalt(II) Complexes. Inorganic Chemistry. 50 (**2011**), pp. 11838-11845.	https://pubs.acs.org/doi/10.1021/ic202108j	WoS (96) Scopus (96)	https://kchem.fpv.ucm.sk/#/o-katedre/pracovnici-katedry	Q1 (A+)
		ADC Boča, R., Miklovič, J., **Titiš, J.:** Simple mononuclear cobalt(II) complex: a single-molecule magnet showing two slow relaxation processes. Inorganic Chemistry, 53 (**2014**), pp. 2367-2369.	https://pubs.acs.org/doi/10.1021/ic5000638	WoS (100) Scopus (128)	https://kchem.fpv.ucm.sk/#/o-katedre/pracovnici-katedry	Q1 (A+)
2.	For the last 6 years	**V3** Legerská, B., Chmelová, D., Ondrejovič, M., **Miertuš, S.:** The TLC-Bioautography as a tool for rapid enzyme inhibitors detection - a review. Critical Reviews in Analytical Chemistry. 52, 2, (**2022**), 275-293	https://www.tandfonline.com/doi/abs/10.1080/10408347.2020.1797467	WoS (13) Scopus (16)	http://fpv.ucm.sk/sk/pracovnici-bt.html	Q1 (A+)
		ADC Hľasová, Z., Košík, I., Ondrjeovič, M., **Miertuš, S.**, Katrlík, J.: Methods and current trends in determination of neuraminidase activity and evaluation of neuraminidase inhibitors. Critical Reviews in Analytical Chemistry. 49, 4, (**2019**), 350-367.	https://pubmed.ncbi.nlm.nih.gov/30582732/	WoS (10) Scopus (10)	http://fpv.ucm.sk/sk/pracovnici-bt.html	Q1 (A+)
	For the whole period	**ADC Miertuš, S.**, Scrocco, E., Tomasi, J.: Electrostatic interaction of a solute with a continuum. A direct utilization of AB initio molecular potentials for the prevision of solvent effects. Chemical Physics, (**1981**), 55/1, pp. 117-129.	https://www.sciencedirect.com/science/article/abs/pii/0301010481850902	WoS (7979) Scopus (8334)	http://fpv.ucm.sk/sk/pracovnici-bt.html	Q2 (A)
		ADC Miertus, S., Tomasi, J.: Approximate evaluations of the electrostatic free energy and internal energy changes in solution processes. Chemical Physics, (**1982**), vol. 65, iss. 2, pp. 239-245.	https://www.sciencedirect.com/journal/chemical-physics	WoS (2429) Scopus (2423)	http://fpv.ucm.sk/sk/pracovnici-bt.html	Q2 (A)
		ADC Kongkamnerd, J. Milani, A., Cattoli, G., Terregino, C., Capua, I., Beneduce, L., Gallotta, A., Pengo, P., Fassina, G., Monthakantirat, O., Umehara, K., De-Eknamkul, W., **Miertus, S.:** The quenching effect of flavonoids on 4-methylumbelliferone, a potential pitfall in fluorimetric neuraminidase inhibiton assays. Journal of Biolololomolecular Screening., (**2011**), 16 (7), 755-764.	https://pubmed.ncbi.nlm.nih.gov/21636741/	WoS (26) Scopus (29)	http://fpv.ucm.sk/sk/pracovnici-bt.html	Q2 (A)
3.	For the last 6 years	**V3** Mičová, R., **Rajnák, C.**, Titiš, J., Samoľová, E., Zalibera, M., Bienko, A., Boča, R.: Slow magnetic	https://pubs.rsc.org/en/content	WoS (2) Scopus (3)	https://kchem.fpv.ucm.sk/#/o-	Q1 (A+)

		relaxation in two mononuclear Mn(ii) complexes not governed by the over-barrier Orbach process. Chemical Communications. vol. 59, ciss. 18 (**2023**), pp. 2612-2615.	/articleland ing/2023/c c/d2cc0651 0j		katedre/pracovnici -katedry	
		V3 Valigura, D., **Rajnák, C.**, Titiš, J., Moncoľ, J., Boča, R., Bienko, A.: Unusual slow magnetic relaxation in a mononuclear copper(ii) complex. Dalton Transactions. vol. 51, iss. 14 (**2022**), pp. 5612-5616.	https://pu bs.rsc.org/ en/content /articleland ing/2022/d t/d2dt0002 3g	WoS (6) Scopus (6)	https://kchem.fpv. ucm.sk/#/o- katedre/pracovnici -katedry	Q1 (A+)
	For the whole period	**ADC** Lomjanský, D., Moncoľ, J., **Rajnák, C.,** Titiš, J., Boča, R.: Field effects to slow magnetic relaxation in a mononuclear Ni(II) complex. Chemical Communications. Vol. 53, iss. 51 (**2017**), pp. 6930-6932.	https://pu bs.rsc.org/ en/content /articleland ing/2017/c c/c7cc0327 5g/unauth	WoS (13) Scopus (16)	https://kchem.fpv. ucm.sk/#/o- katedre/pracovnici -katedry	Q1 (A+)
		ADC Boča, R., **Rajnák, C.**, Titiš, J., Valigura, D.: Field Supported Slow Magnetic Relaxation in a Mononuclear Cu(II) Complex. Inorganic Chemistry. Vol. 56, Issue 3 (**2017**), pp. 1478-1482.	https://pu bs.acs.org/ doi/abs/10. 1021/acs.in orgchem.6b 02535	WoS (53) Scopus (75)	https://kchem.fpv. ucm.sk/#/o- katedre/pracovnici -katedry	Q1 (A+)
		ADC Valigura, D., **Rajnák, C**., Moncoľ, J., Titiš, J., Boča, R.: A mononuclear Co(II) complex formed from pyridinedimethanol with manifold slow relaxation channels. Dalton Transactions : an international journal of inorganic chemistry. Vol. 46, iss. 33 (**2017**), pp. 10950-10956.	https://pu bs.rsc.org/ en/content /articleland ing/2017/d t/c7dt02131 c	WoS (29) Scopus (28)	https://kchem.fpv. ucm.sk/#/o- katedre/pracovnici -katedry	Q1 (A+)
4.	For the last 6 years	**ADC** Kulichová, K., **Sokol, J.,** Maliarová, M.: Study of Avenanthramides as Important Biologically Active Substances of Phenolic Nature. Chemické listy, 112, 12, (**2018**), pp. 848-854.	http://ww w.chemicke - listy.cz/ojs3 /index.php /chemicke- listy/article /view/3241	WoS (1) Scopus (1)	https://kchem.fpv. ucm.sk/#/o- katedre/pracovnici -katedry	Q4 (A-)
		ADC Kulichová, K., **Sokol, J.**, Nemeček, P., Maliarová, M., Maliar, T., Havrlentová, M., Kraic, J.: Phenolic compounds and biological activities of rye (Secale cereale L.) grains. Open Chemistry. 17, 1 (**2019**), pp. 988-999.	https://ww w.degruyter .com/docu ment/doi/1 0.1515/che m-2019- 0103/html	WoS (18) Scopus (30)	https://kchem.fpv. ucm.sk/#/o- katedre/pracovnici -katedry	Q3 (A-)
	For the whole period	ADC Sokol, J., Matisova, E., Determination of tetracycline antibiotics in animal tissues of food-producing animals by high-performance liquid chromatography using solid-phase extraction. Journal of Chromatography A. (1994), 669 (1-2), pp. 75-80.	https://ww w.sciencedi rect.com/s cience/arti cle/abs/pii /002196739 4803382	WoS (48) Scopus (48)	https://kchem.fpv. ucm.sk/#/o- katedre/pracovnici -katedry	Q1 (A+)
		ADC Marcinčák, S., **Sokol, J**., Bystrický, P., Popelka, P., Turek, P., Bhide, M.R., Máté, D.: Determination of lipid oxidation level in broiler meat by liquid	https://pu bmed.ncbi.n lm.nih.gov/ 15493672/	WoS (23) Scopus (30)	https://kchem.fpv. ucm.sk/#/o- katedre/pracovnici -katedry	Q3 (A-)

		chromatography. Journal of AOAC International, 87 (**2004**) 1148-1152.				
		ADC Maliarová, M., Mrázová, V., Havrlentová, M., **Sokol, J.**: Optimization of Parameters for Extraction of Avenanthramides from Oat (Avena sativa L.) Grain Using Response Surface Methodology (RSM). Journal of the Brazilian Chemical Society, Vol. 26, no. 11, (**2015**), pp. 2369-2378.	https://www.scielo.br/j/jbchs/a/xmyV4zJBpKbGwqZLN7smGsR/?lang=en	WoS (7) Scopus (9)	https://kchem.fpv.ucm.sk/#/o-katedre/pracovnici-katedry	Q3 (A-)
5.	For the last 6 years	**ADC** Pipíška, M., Ballová, S., Frišták, V., Ďuriška, L., Horník, M., Demšák, Š., Holub, M., Soja, G.: Potassium nickel(II) hexacyanoferrate(III)-functionalized biochar for selective separation of radiocesium from liquid wastes. Journal of Radiation Research and Applied Sciences. - ISSN 2314-7164. - Vol. 13 (**2020**), pp. 343-355.	https://www.sciencedirect.com/science/article/pii/S1687850721002910	WoS (2) -	http://fpv.ucm.sk/sk/pracovnici-ker.html	Q2 (A)
		ADC Pipíška, M., Zarodňanská, S., **Horník, M.**, Ďuriška, L., Holub, M., Šafařík, I.: Magnetically functionalized moss biomass as biosorbent for efficient Co2+ ions and thioflavin T removal. Materials. Vol. 13, Iss. 16 (**2020**), 3619.	https://www.mdpi.com/1996-1944/13/16/3619	WoS (11) Scopus (13)	http://fpv.ucm.sk/sk/pracovnici-ker.html	Q1 (A+)
	For the whole period	**ADC** Pipíška, M., Micháleková Richveisová, B., Frišták, B., **Horník, M.**, Remenárová, L., Stiller, R., Soja, G.: Sorption separation of cobalt and cadmium by straw-derived biochar: a radiometric study. Journal of Radioanalytical and Nuclear Chemistry. Vol. 311,, Iss. 1 (**2017**), pp. 85-97.	https://link.springer.com/article/10.1007/s10967-016-5043-7	WoS (20) Scopus (20)	http://fpv.ucm.sk/sk/pracovnici-ker.html	Q3 (A-)
		ADD Partelová, D., Uhrovčík, J. Lesný, J., **Horník, M.**, Rajec, P., Kováč, P., Hostin, S.: Application of positron emission tomography and 2-[18F]fluoro-2-deoxy-Dglucose for visualization and quantification of solute transport in plant tissues. Chemical Papers = Chemické zvesti. Vol. 68, Iss. 11 (**2014**), pp. 1463-1473.	https://link.springer.com/article/10.2478/s11696-014-0609-8	WoS (11) Scopus (10)	http://fpv.ucm.sk/sk/pracovnici-ker.html	Q3 (A-)
		ADC Partelová, D., **Horník, M.**, Lesný, J., Rajec, P., Kováč, P., Hostin, S.: Imaging and analysis of thin structures using positron emission tomography: Thin phantoms and in vivo tobacco leaves study. Applied Radiation and Isotopes. Vol. 115 (**2016**), pp. 87-96.	https://www.sciencedirect.com/science/article/abs/pii/S0969804316301932	WoS (7) Scopus (7)	http://fpv.ucm.sk/sk/pracovnici-ker.html	Q2 (A)
The overall quality level of creative activity according to outputs						**A+ (4.32)**

*Without autocitations
Quartiles of journals were assessed for 2020 according to Journal Citation Reports ((https://jcr.clarivate.com/jcr/browse-journals).

	A+	A	A-	B	C
Category by JCR Category	Q1	Q2	Q3, Q4		
Summary by category	14	5	6		
% share	56	20	24		
Weight	5	4	3	2	1
Product of % share and weight	280	80	72		
Resulting score	**4.32**				

5. The level of UCM criteria for reviewing the compliance of conditions for obtaining the title

a) The criteria for evaluating the fulfilment of the conditions for obtaining the scientific-pedagogical or artistic-pedagogical title of "associate professor" and "professor" at the University of Ss. Cyril and Methodius in Trnava are available at:

Available at:
https://www.ucm.sk/docs/legislativa/2022/predpisy_-_en/2021-22_Kriteria_na_vyhodnotenie_doc_prof_AJ.pdf

b) The criteria for evaluating the fulfilment of the conditions for obtaining the scientific-pedagogical or artistic-pedagogical title of "associate professor" and "professor" within the specifics and habits of individual fields of study to which the field of habilitation and inauguration proceedings is assigned are available at:

Available at: http://fpv.ucm.sk/sk/veda-a-vyskum/habilitacie-a-inaugaracie.html

6. Rules and procedures of the habilitation and inauguration proceedings

a) Rules of habilitation and inauguration proceedings at the University of Ss. Cyril and Methodius in Trnava are available at:

Available at:
https://www.ucm.sk/docs/legislativa/2022/predpisy_-_en/2021-22_Kriteria_na_vyhodnotenie_doc_prof_AJ.pdf

b) Procedures of habilitation and inauguration proceedings at the University of Ss. Cyril and Methodius in Trnava are available at:

Available at:
https://www.ucm.sk/docs/legislativa/2022/predpisy_-_en/2021-53_Postup_pri_habilitacnom_konani_na_UCM_AJ.pdf
Available at:
https://www.ucm.sk/docs/legislativa/2022/predpisy_-_en/2021-54_Postup_pri_inauguracnom_konani_na_UCM_AJ.pdf

7. Completed habilitation and inauguration proceedings and their results

Completed habilitation and inauguration proceedings at the University of Ss. Cyril and Methodius in Trnava, their course and results are available at:
https://www.ucm.sk/sk/habilitacne-a-inauguracne-konania/

and at:
http://fpv.ucm.sk/sk/veda-a-vyskum/habilitacie-a-inaugaracie.html

University of Ss. Cyril and Methodius in Trnava
Námestie J. Herdu 2
917 01 Trnava

8. Ongoing habilitation and inaugural proceedings

Ongoing habilitation and inaugural proceedings at the University of Ss. Cyril and Methodius in Trnava are available at:

https://www.ucm.sk/sk/habilitacne-a-inauguracne-konania/

and at:
http://fpv.ucm.sk/sk/veda-a-vyskum/habilitacie-a-inaugaracie.html