Universitatea Transilvania din Braşov
Facultatea **DESIGN DE PRODUS ȘI MEDIU**

Poz. postului **31**
Disciplinele postului *Tehnologii și echipamente de tratare și epurare a apei I, Analiză instrumentală, Managementul utilizării durabile a resursei de apă*

Departamentul **DESIGN DE PRODUS, MECATRONICĂ ȘI MEDIU**

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR NAȚIONALE

Postul: CONFERENȚIAR, poziția 31,
publicat în Monitorul Oficial al României[1] nr. 93 din data de 10.04.2025

Candidat: **MARIA COVEI (n. DUȚĂ)**
Funcția actuală **ȘEF DE LUCR. (nedet.)**

Data naşterii **22/03/1988**
Instituția **UNIVERSITATEA TRANSILVANIA DIN BRAȘOV**
DEPARTAMENTUL DESIGN DE PRODUS, MECATRONICĂ ȘI MEDIU

ÎNDEPLINIREA STANDARDELOR MINIMALE NAȚIONALE pentru COMISIA INGINERIA MEDIULUI
- conform cu Ordinul 6.129 din 2016 emis de MENCS -

Criteriu	Valoarea Minimă	Valoarea obținută de candidat
NT (Număr total de articole în reviste ISI)	**≥ 15**	21
NP (Număr total articole ISI la care candidatul este prim autor sau autor de corespondență)	**≥ 6** din care min. 4 în reviste cu **FI > 1**	12 12 în reviste cu **FI > 1**
FIC (Factor de impact cumulat)	**≥ 12**	63,85
NC (Număr total de citări – fără autocitări – din Web of Science)	**≥ 60**	258 (WoS)

NT = număr total de articole publicate în reviste ISI
NP = număr de articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)
NC = numărul total de citări din baza SCOPU sau ISI Web of Science, excluzând autocitările
(NC s-a calculate utilizând baza ISI Web of Science, excluzând autocitările)
FIC = factor de impact cumulat (suma factorilor de impact ai revistelor la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)
* În acest caz în calculul FIC se ține cont de factorul de impact al revistei la care candidatul a publicat un articol ca autor principal și respectiv de factorul de impact împărțit la numărul de autori pentru revistele în care candidatul a publicat un articol în care nu este autor principal
Brevetele naționale (FI=1) și internaționale (FI=3) intră în calculul FIC

[1] **Numărul documentului** se completează numai în cazul posturilor pe perioadă nedeterminată.

Lista de lucrari Ș.l. dr. ing. Maria Covei (n. Duță)

NT	Articol	FI 2025	Autor principal	Nr. de autori	FIC	NC
1	Gartner M., Szekeres A., Simeonov S., **Covei M.,** Anastasescu M., Preda S., Calderon-Moreno J.M., Predoana L., Stroescu H., Mitrea D., *Structure, Optical and Electrical Properties of Nb(Zn) Doped Sol-Gel ITO Films: Effect of Substrates and Dopants*, Molecules 29 (2024) 5480, https://www.mdpi.com/1420-3049/29/22/5480, https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001366462700001	4,2	Nu	10	0,42	0
2	Simeonov S., Szekeres A., **Covei M.**, Stroescu H., Nicolescu M., Chesler P., Hornoiu C., Gartner M., *Sol-Gel Multilayered Niobium (Vanadium)-Doped TiO_2 for CO Sensing and Photocatalytic Degradation of Methylene Blue*, Materials 17 (2024) 1923, https://www.mdpi.com/1996-1944/17/8/1923, https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001211447900001 Limnk citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/1f54f4a5-1ecc-47bd-87e7-a166e7159e54-01646dbb7a/date-descending/1	3.1	Nu	8	0,39	2
3	Gartner M., Szekeres A., Stroescu H., Mitrea D., **Covei M.**, Gutzov S., *Advanced Nanostructured Coatings Based on Doped TiO_2 for Various Applications*, Molecules 28 (2023) 7828, https://www.mdpi.com/1420-3049/28/23/7828 , https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001119134600001 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/efffee68-056e-445e-9de7-d4e247b16558-01646dc458/date-descending/1	4,2	Nu	6	0,70	7
4	**Covei M.,** Bogatu C., Gheorghita S., Duta A., Stroescu H., Nicolescu M., Calderon-Moreno J.M., Atkinson I., Bratan, *Influence of the Deposition Parameters on the Properties of TiO2 Thin Films on Spherical Substrate,* Materials 17 (2023) 4899, https://www.mdpi.com/1996-1944/16/14/4899, https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001036674100001 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/7a670d8a-5f7e-4d07-a224-c5fd6cb77666-01646dce98/date-descending/1	3,1	Da	9	3,1	4
5	Bogatu C., **Covei M.**, Polo-López M.I., Duta A., Malato S., *Novel ZnO photocatalysts for pollutants' abatement under solar radiation at pilot plant scale*, Catalysis Today 413 (2023) 13947, **autor corespondenta,** https://www.sciencedirect.com/science/article/pii/S0920586122004333,	5,2	Da	5	5,2	10

NT	Articol	FI 2025	Autor principal	Nr. de autori	FIC	NC
6	Gartner M., Anastasescu M., Calderon-Moreno J.M., Nicolescu M., Stroescu H., Hornoiu C., Preda S., Predoana L., Mitrea D., **Covei M.**, Maraloiu V.A., Teodorescu V.S., Moldovan C., Petrik P., Zaharescu M., *Multifunctional Zn-Doped ITO Sol-Gel Films Deposited on Different Substrates: Application as CO_2-Sensing Material*, Nanomaterials 12 (2022) 3244, https://www.mdpi.com/2079-4991/12/18/3244	4,4	Nu	15	0,29	6
7	**Covei M.**, Perniu D., Bogatu C., Duta A., Visa I., *Photocatalytic composite thin films with controlled optical properties based on TiO_2, WO_3 and rGO*, Surfaces and Interfaces 31 (2022) 102075, https://www.sciencedirect.com/science/article/pii/S2468023022003431, https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000955575200001 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/1b7a9e48-9e39-44dd-91a7-b1f0014404fd-01646dd835/date-descending/1	5,7	Da	5	5,7	5
8	Simeonov S., Szekeres A., **Covei M.**, Spassov D., Kitin G., Predoana L., Calderon-Moreno J.M., Nicolescu M., Preda S., Stroescu H., Gartner M., Zaharescu M., *Inter-trap tunneling in vanadium doped TiO_2 sol-gel films*, Materials Research Bulletin 127 (2020) 110854, https://www.sciencedirect.com/science/article/pii/S0025540819330880, https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000528204900005 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/b94bf179-6bcf-4792-aa14-cd941ace61f5-01646de14e/date-descending/1	5,3	Nu	12	0,44	7
9	**Covei M.**, Bogatu C., Perniu D., Duță A., Vișa I., *Self-cleaning thin films with controlled optical properties based on WO_3-rGO*, Ceram. Int. 45 (2019) 9157-9163, https://www.sciencedirect.com/science/article/pii/S0272884219302755, https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000637264600047 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/a7d32424-e7c0-4685-adfa-4b2d8f869d88-01646de54d/date-descending/1	5,1	Da	5	5,1	1
10	**Covei M.**, Bogatu C., Perniu D., Tismănar I., Duță A., *Comparative study on the photodegradation efficiency of organic pollutants using n-p multi-junction thin films*, Catal. Tod. 328 (2019) 57-64, https://www.sciencedirect.com/science/article/pii/S0920586118311003, https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000461462200010 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/785f7019-ab02-4fd1-bdbe-61de8029d3bc-01646deb8b/date-descending/1	5,2	Da	5	5,2	8

NT	Articol	FI 2025	Autor principal	Nr. de autori	FIC	NC
11	Bogatu C., **Covei M.,** Perniu D., Tismanar I., Duta A., *Stability of the Cu_2ZnSnS_4/TiO_2 photocatalytic thin films active under visible light irradiation*, Catal. Tod. 328 (2019) 79-84, https://www.sciencedirect.com/science/article/pii/S0920586118310861 , https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000461462200013 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/cfa2898d-9e6c-4e28-92a6-898bbb68c98d-01646edede/date-descending/1	5,2	Nu	5	1,04	9
12	**Covei M.**, Perniu D., Bogatu C., Duță A., *CZTS-TiO_2 thin film heterostructures for advanced photocatalytic wastewater treatment*, Catal. Tod. 321–322 (2019) 172-177, https://www.sciencedirect.com/science/article/pii/S0920586117308222 , https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000451030700024 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/6f904d90-662f-4426-a111-1990616fab94-01646eedd5/date-descending/1	5,2	**Da**	4	5,2	33
13	**Covei M.**, Predoană L., Osiceanu P., Calderon-Moreno J.M., Anastasescu M., Preda S., Nicolescu M., Gartner M, Zaharescu M., *Niobium/Vanadium doped TiO_2 multilayered sol-gel films: Structure, surface chemistry and optical properties*, Ceram. Int. 42 (2016) 13805-13811, https://www.sciencedirect.com/science/article/pii/S0272884216308057, https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000380081900058 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/cfd29e12-1401-4df7-8c0a-8a7d84a58136-01646dfc68/date-descending/1	5,1	**Da**	9	5,1	8
14	**Duță M.**, Predoană L., Calderon-Moreno J.M., Preda S., Anastasescu M., Marin A, Dascălu I., Chesler P., Hornoiu C., Zaharescu M., Osiceanu P., Gartner M., *Nb-doped TiO_2 sol-gel films for CO sensing applications*, Mater. Sci. Semicond. Proc. 42 (2016) 397-404, https://www.sciencedirect.com/science/article/pii/S1369800115302420, https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000367638400018 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/19abb6d4-d612-4a44-9686-2a1b818f6fb3-01646e03de/date-descending/1	4,2	**Da**	12	4,2	33
15	**Duță M.**, Predoană L., Preda S., Nicolescu M., Gartner M., Zaharescu M., Simenov S., Spasov D., Szekeres A., *Structural and electrical properties of Nb doped TiO_2 films prepared by the sol-gel layer-by-layer technique*, Mater. Res. Bull. 74 (2016) 15-20, https://www.sciencedirect.com/science/article/pii/S0025540815301422 , https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000367775000003	5,3	**Da**	9	5,3	13

NT	Articol	FI 2025	Autor principal	Nr. de autori	FIC	NC
	Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/5d810114-8c78-433f-9922-8905d6b959aa-01646e0957/date-descending/1					
16	**Duță M.**, Anastasescu M., Calderon-Moreno J.M., Predoană L., Preda S., Nicolescu M., Stroescu H., Bratan V., Dascălu I., Aperathitis E., Modreanu M., Zaharescu M., Gartner M., *Sol-gel versus sputtering indium tin oxide films as transparent conducting oxide materials*, J. Mater. Sci. Mater. Electron. 27 (2016) 4913-4922, https://link.springer.com/article/10.1007/s10854-016-4375-y , https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000373742500098 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/73a02fea-5477-422f-a1fd-9ef54ce08c03-01646e1064/date-descending/1	2,8	Da	13	2,8	30
17	**Duță M.**, Mihaiu S., Munteanu C., Anastasescu M., Osiceanu P., Marin A., Preda S., Nicolescu M., Modreanu M., Zaharescu M., Gartner M., *Properties of In-N codoped p-type ZnO nanorods grown through a two-step chemical route*, Appl. Surf. Sci. 344 (2015) 196-204, https://www.sciencedirect.com/science/article/pii/S0169433215007187 , https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000353802600026 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/a6efc6c9-59a0-41f3-98aa-dfdb790d2a54-01646e1820/date-descending/1	6,3	Da	11	6,3	22
18	**Duță M.**, Perniu D., Duță A., *Photocatalytic zinc oxide thin films obtained by surfactant assisted spray pyrolysis deposition*, Applied Surface Science 306 (2014) 80-88, https://www.sciencedirect.com/science/article/pii/S016943321400436X , https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000336591500016 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/15ad52dc-8d3d-4cd9-b468-0925a453d4ca-01646e2037/date-descending/1	6,3	Da	3	6,3	27
19	Gartner M., Stroescu H., Marin A., Osiceanu P., Anastasescu M., Stoica M., Nicolescu M., **Duță M.**, Preda S., Aperathitis E., Pantazis A., Kapylafka V., Modreanu M., Zaharescu M., *Effect of nitrogen incorporation on the structural, optical and dielectric properties of reactive sputter grown ITO films*, Applied Surface Science 313 (2014) 311-319, https://www.sciencedirect.com/science/article/pii/S0169433214012495 , https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000340689000040 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/a07136ba-e7fa-4c77-943a-c0d296edbd02-01646e2d19/date-descending/1	6,3	Nu	14	0,45	11

NT	Articol	FI 2025	Autor principal	Nr. de autori	FIC	NC
20	Zaharescu M., Mihaiu S., Toader A., Atkinson I., Calderon-Mareno J., Anastasescu M., Nicolescu M., **Duță M.**, Gartner M., Vojisavljevic M., Malic B., Ivanov V.A., Zaretskaya E.P.*, ZnO based transparent conductive oxide films with controlled type of conduction*, Thin Solid Films 571 (2014) 727-734, https://www.sciencedirect.com/science/article/pii/S004060901400251X , https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000267590800056 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/12b3148b-510c-4794-a0dd-fe9b9f37bfa2-01646e3fc7/date-descending/1	2,0	Nu	13	0,15	13
21	Predoană L., Preda S., Nicolescu M., Calderon-Moreno J., **Duță M.**, Gartner M., Zaharescu M., *Influence of the substrate type on the microstructural, optical and electrical properties of sol-gel ITO films*, Journal of Sol-Gel Science and Technology 71 (2014) 303-312, https://link.springer.com/article/10.1007/s10971-014-3373-x , https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000338285000016 Link citări: https://0a10q3sfs-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/6dbe668b-b5e6-42c3-8fd3-3e151bc40de6-01646e42fb/date-descending/1	2,3	Nu	7	0,33	9
22	Perniu D., Bogatu C., Duta A., Isac L., **Covei M.,** Visa I., Neagoe M., *Dispersie fotocatalitică activă în domeniul vizibil al radiației luminoase şi metodă de obținere*, RO132549 (A0) - 2018-05-30, RO132549 (B1) - 2022-07-29, https://ro.espacenet.com/publicationDetails/originalDocument?FT=D&date=20220729&DB=&locale=ro_RO&CC=RO&NR=132549B1&KC=B1&ND=4	1	Nu	7	0,14	0
	PUNCTAJ TOTAL		**12**		**63,85**	**258**

Data

26.05.2025

Ș.l. dr. ing. Maria Covei