

FIȘA DE EVALUARE GENERALĂ A STANDARDELOR UNIVERSITĂȚII

1. Articole științifice publicate in extenso în reviste cotate Web of Science
cu factor de impact

- **Babii C.**, Bahrin, L.G., Neagu, A.-N., Gostin, I., Mihasan, M., Birsa, L.M., Stefan, M., 2016 - Antibacterial activity and proposed action mechanism of a new class of synthetic tricyclic flavonoids, *Journal of Applied Microbiology*, 120, 630-637, **Factor de Impact:2,09**.

$$(60 \times 2,09 + 25) / 7 = 21,48 \text{ pct}$$

- Bahrin, L.G., Hopf, H., Jones, P.G., Sarbu, L.G., **Babii, C.**, Mihai, A.C., Stefan, M., Birsa, L.M., 2016 - Antibacterial structure-activity relationship studies of several tricyclic sulfur-containing flavonoids, *Beilstein J. Org. Chem.*, 12: 1065-1071, **Factor de Impact: 2,34**.

$$(60 \times 2,34 + 25) / 8 = 20,67 \text{ pct}$$

- Bahrin, L.G., Sarbu, L.G., Hopf, H., Jones, P.G., **Babii, C.**, Stefan, M., Bîrsa, M.L., 2016 - The influence of halogen substituents on the biological properties of sulfur-containing flavonoids, *Bioorganic & Medicinal Chemistry*, 24: 3166-3173, **Factor de Impact: 2,93**.

$$(60 \times 2,93 + 25) / 7 = 28,68 \text{ pct}$$

- Hritcu, L., Ionita, R., Motei, D. E., **Babii, C.**, Stefan, M., Mihasan, M., 2017 - "Nicotine versus 6-Hydroxy-L-Nicotine against Chlorisondamine Induced Memory Impairment and Oxidative Stress in the Rat Hippocampus." *Biomedicine & Pharmacotherapy* 86: 102–8, **Factor de Impact: 2,759**.

$$(60 \times 2,759 + 25) / 6 = 31,75 \text{ pct}$$

Total = 102,58 puncte

2. Citări și recenzii ale lucrărilor științifice

Lucrare citată:

Babii C., Bahrin, L.G., Neagu, A.-N., Gostin, I., Mihasan, M., Birsa, L.M., Stefan, M., 2016 - Antibacterial activity and proposed action mechanism of a new class of synthetic tricyclic flavonoids, *Journal of Applied Microbiology*, 120, 630-637 – **6 citări**

Citare 1: Jarial R., Shard A., Thakur S., Sakinah M., Zularisam AW., Shahabaldin Rezania, Kanwar S., Singh L., 2017 - Characterization of flavonoids from fern *Cheilanthes tenuifolia* and evaluation of antioxidant, antimicrobial and anticancer activities, *Journal of King Saud University – Science*.

(10 + 20 x 2,77) / 7 = 9,34 pct

Citare 2: Medina D, Stefany C., Caballero-Garcí, Juana del Valle-Mendoza, 2016 - Antibacterial activity of *Bixa orellana* L. (achiote) against *Streptococcus mutans* and *Streptococcus sanguinis*, *Asian Pacific Journal of Tropical Biomedicine*, 6 (5): 400-403.

(10 + 20 x 1,70) / 7 = 6,28 pct

Citare 3: Toader, E., Bahrin, LG., Sandu, I., Birsa, M., Rezus, C., 2016 - Tricyclic Flavonoids Derived from N,N-Dimethyldithiocarbamates as Potential Antimicrobial Agents, *Revista de Chimie*, 67 (7): 1394-1396.

(5 + 20 x 1,232) / 7 = 4,23 pct.

Citare 4: Rini Jarial, Sveta Thakur, Mimi Sakinah, A.W. Zularisam, Amit Sharad, S.S.Kanwar, Lakhveer Singt, 2016 - Potent anticancer, antioxidant and antibacterial activities of isolated flavonoids from *Asplenium nidus*, *Journal of King Saud University – Science*.

(10 + 20 x 2,77) / 7 = 9,34 pct

Citare 5: Sandu, M., Birsa, LM., Bahrin, LG., 2017 - Flavonoids - small molecules, high hopes, Acta Chemica Iași.

$$(5 + 20 \times 0) / 7 = 0,71 \text{ pct}$$

Citare 6: Biaggini K., Borrel V., Szunerits S., Boukherroub R., N'Diaye A., Zébré A., Bonnin-Jusserand M., Duflos G., Feuilloley M., Drider D., Déchelotte P., Connil N., 2017 - Substance P enhances lactic acid and tyramine production in *Enterococcus faecalis* V583 and promotes its cytotoxic effect on intestinal Caco-2/TC7 cells, Gut Pathogens.

$$(10 + 20 \times 3,40) / 7 = 11,14 \text{ pct}$$

Lucrare citată:

Bahrin, L.G., Hopf, H., Jones, P.G., Sarbu, L.G., **Babii, C.**, Mihai, A.C., Stefan, M., Birsa, L.M., 2016 - Antibacterial structure-activity relationship studies of several tricyclic sulfur-containing flavonoids, *Beilstein J. Org. Chem.*, 12: 1065-1071 - **3 citări**

Citare 1: Sandu, M., Birsa, LM., Bahrin, LG., 2017 - Flavonoids - small molecules, high hopes, Acta Chemica Iasi.

$$(5 + 20 \times 0) / 8 = 0,625 \text{ pct}$$

Citare 2: Toader, E., Bahrin, LG., Jones, PG., ; Hopf, H., Sarbu, LG., Stoleriu, G., 2016 - Synthesis of New Morpholine Containing Flavonoids with Potential Biological Applications, *Revista de Chimie*, 67 (8): 1520-1522.

$$(5 + 20 \times 1,232) / 8 = 3,705 \text{ pct}$$

Citare 3: Toader, E., Bahrin, LG., Sandu, I., Birsa, M., Rezus, C., 2016 - Tricyclic Flavonoids Derived from N,N-Dimethyldithiocarbamates as Potential Antimicrobial Agents, *Revista de Chimie*, 67 (7): 1394-1396.

$$(5 + 20 \times 1,232) / 8 = 3,705 \text{ pct.}$$

Lucrare citată:

Bahrin, L.G., Sarbu, L.G., Hopf, H., Jones, P.G., **Babii, C.**, Stefan, M., Bîrsa, M.L., 2016
- The influence of halogen substituents on the biological properties of sulfur-containing flavonoids, *Bioorganic & Medicinal Chemistry*, 24: 3166-3173 – **4 citări**.

Citare 1: Sandu, M., Birsa, LM., Bahrin, LG., 2017 - Flavonoids - small molecules, high hopes, *Acta Chemica Iasi*.

$$(5 + 20 \times 0) / 7 = 0,71 \text{ pct}$$

Citare 2: Mhaske, SD., Takate, SJ., ; Dhawale, RN., Akolkar, HN., Randhavane, PV., Karale, BK., 2017 - Synthesis and biological screening of some new thiophene and pyrazole containing styrylchromones and pyrazoles, *Indian journal of heterocyclic chemistry*, 27 (1): 89-97.

$$(10 + 20 \times 0,044) / 7 = 1,55 \text{ pct}$$

Citare 3: Toader, E., Bahrin, LG., Jones, PG., ; Hopf, H., Sarbu, LG., Stoleriu, G., 2016
- Synthesis of New Morpholine Containing Flavonoids with Potential Biological Applications, *Revista de Chimie*, 67 (8): 1520-1522.

$$(5 + 20 \times 1,232) / 7 = 4,23 \text{ pct}$$

Citare 4: Toader, E., Bahrin, LG., Sandu, I., Birsa, M., Rezus, C., 2016 - Tricyclic Flavonoids Derived from N,N-Dimethyldithiocarbamates as Potential Antimicrobial Agents, *Revista de Chimie*, 67 (7): 1394-1396.

$$(5 + 20 \times 1,232) / 7 = 4,23 \text{ pct}$$

Lucrare citată:

Hritcu, L., Ionita, R., Motei, D. E., Babii, C., Stefan, M., Mihasan, M., 2017 - “Nicotine versus 6-Hydroxy-L-Nicotine against Chlorisondamine Induced Memory Impairment and Oxidative Stress in the Rat Hippocampus.” *Biomedicine & Pharmacotherapy* 86: 102–8 – **2 citări**

Citare 1: Ionita, R., Postu, PA., Beppe, GJ., Mihasan, M., Petre, BA., Hancianu, M.,; Cioanca, O., Hritcu, L., 2017 - Cognitive-enhancing and antioxidant activities of the aqueous extract from Markhamia tomentosa (Benth.) K. Schum. stem bark in a rat model of scopolamine, 2017, Behavioral and brain functions, 13 (5).

$$(10 + 20 \times 2,207) / 6 = 9,02 \text{ pct}$$

Citare 2: Ionita, R., Valu, VM., Postu, PA., Cioanca, O., Hritcu, L., Mihasan, M., 2017 - 6-hydroxy-l-nicotine effects on anxiety and depression in a rat model of chlorisondamine, Farmacia, 65 (2): 237-240.

$$(5 + 20 \times 1,348) / 6 = 5,32 \text{ pct.}$$

Total = 74,405 puncte

3. Contracte de cercetare științifică în instituții academice

- contracte naționale – membru, titlu proiect: Effects of 6-hydroxy-nicotine on chlorisondamine-induced oxidative stress and neurotoxicity: relevance for Alzheimer's disease, cod PN-II-RU-TE-2014-4-0106, valoare contract: 549.700 lei, perioada 1.10.2015 - 30.09.2017.

$$50/6 = 8,33 \text{ pct}$$

- contracte naționale – membru, titlul proiect: Flavonoide 1,3 – Ditiolice cu proprietăți antimicrobiene – acronym DT-FLAV-PED, contract de finanțare nr. 152PED/03.01.2017, valoare contract 600.000 lei, perioada 01.11.2017 – 31.12.2017.

$$50/7 = 7,14 \text{ pct}$$

Total = 15,47 puncte.

Total secțiuni = 192,455 puncte