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Bază de date

În prezent, unul dintre cele mai importante subiecte din domeniul biomedical este rezistenţa la antimicrobiene, astfel întocmirea unor baze de date cu cele mai importante surse şi organisme de monitorizare din acest topic este absolut necesară.

O bază de date a organismelor de monitorizare RAM (rezistenţa la antimicrobiene), care reprezintă o modalitate de stocare a cât mai multor informaţii într-un singur loc, cu posibilitatea rapidă de actualizare şi de regăsire a acestora, într-o perioadă în care studiile din domeniu RAM sunt accelerate, reprezintă un instrument util pentru cercetările viitoare.

După o consultare a bibliografiei actuale existente în domeniul RAM, s-a efectuat o listă sub formă tabelară a principalelor surse, astfel în Tabelul 1. sunt prezentate cele mai importante organisme responsabile cu monitorizarea rezistenţei la produsele antiinfecţioase, dar şi principalele surse bibliografice despre consumul şi rezistenţa la antimicrobiene în ceea ce priveşte omul, animalele dar şi produsele alimentare.

Propunerea de bază de date include: articole, cărţi, baze de date de tip web site-uri şi rapoarte, cu privire la RAM din anul 1992 până în prezent.

Tabel 1. Propunere de bază de date privind consumul şi rezistenţa la antimicrobiene

Nr. crt.	Denumire organism/articol/carte/raport	Link
1.	**Aarestrup F.M., Oliver Duran C., Burch D.G.S., 2008,** Antimicrobial resistance in swine production. Anim. Health Res Rev 9:135-148.	https://www.ncbi.nlm.nih.gov/pubmed/18983723
2.	**Aarestrup F.M., Wegener H.C., Collignon P., 2008**, Resistance in bacteria of the food chain epidemiology and control strategies. Expert Rev. Anti. Infect. Ther., 6(5):733-750.	https://www.ncbi.nlm.nih.gov/pubmed/18847409
3.	**Aarestrup, F. M., 2000,** Occurrence, selection and spread of resistance to antimicrobial agents used for growth promotion for food animals in Denmark, APMIS Suppl. 101, 1–48.	https://www.ncbi.nlm.nih.gov/pubmed/11125553
4.	**Aarestrup F., 2012,** "Get pigs off antibiotics: Frank Aarestrup explains how he helped Denmark to cut the use of antibiotics in its livestock by 60%, and calls on the rest of the world to follow suit." Nature, vol. 486, no. 7404, p. 465+.	https://www.nature.com/articles/486465a
5.	**American Veterinary Medical Association (AVMA), 2005**, Judicious Therapeutic Use of Antimicrobials.	https://www.avma.org/KB/Policies/Pages/Judicious-Therapeutic-Use-of-Antimicrobials.aspx
6.	**Anderson R.J., Groundwater P.W., Todd A., Worsley A.J., 2012,** Antibacterial Agents- Chemistry, Mode of Action, Mechanisms of Resistance and Clinical Applications, Editura John Wiley & Sons Ltd.	

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8.	**ANSVSA (Autoritatea Naţională Sanitar Veterinară şi pentru Siguranţa Alimentelor), 2016**, Ghidul naţional privind utilizarea prudentă a antimicrobienelor în medicina veterinară	http://www.ansvsa.ro/download/antimicrobieni/Ghidul-national-privind-utilizarea-prudenta-a-antimicrobienelor-in-medicina-veterinara.pdf
9.	**Antibiotic Resistance Understanding and Responding to an Emerging Crisis, 2011**, Editura Pearson Education, Inc, Karl Drlica, David S. Perlin	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3310689/
10.	**Antimicrobial Resistance Learning Site- The Human Health Impact of Antimicrobial Resistance in Animal Populations.**	https://amrls.cvm.msu.edu/veterinary-public-health-module/ii.-the-human-health-impact-of-antimicrobial-resistance-in-animal-populations/ii.-the-human-health-impact-of-antimicrobial-resistance-in-animal-populations
11.	**Antimicrobial Use and Resistance in Animals, 2002,** Scott A. McEwen, Paula J. Fedorka-Cray, Vol. 34 (Suppl 3)	https://pubag.nal.usda.gov/download/10510/PDF
12.	**Autoritatea naţională sanitară veterinară şi pentru siguranţa alimentelor (ANSVSA), Institutul pentru Controlul produselor biologice şi Medicamentelor de uz veterinary (ICBMV), 2016,** Raport privind consumul de produse medicinale veterinare antimicrobiene in Romania pentru anul 2016.	http://www.ansvsa.ro/download/antimicrobieni/2016-Raportul-Institutului-pentru-Controlul-Produselor-Biologice-si-Medicamentelor-de-Uz-Veterinar.pdf
13.	**Benić M. S., Milanič R., Monnier A.A., Gyssens I.C., Adriaenssens N., Versporten A., et al, 2018**, the DRIVE-AB WP1 group; Metrics for quantifying antibiotic use in the hospital setting: results from a systematic review and international multidisciplinary consensus procedure, Journal of Antimicrobial Chemotherapy, Volume 73, Issue suppl_6, Pages vi50–vi58.	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5989607/
14.	**Bhaskar D., Patra S., 2017,** Chapter 1 – Antimicrobials: Meeting the Challenges of Antibiotic Resistance Through Nanotechnology, Nanostructures for Antimicrobial Therapy Micro and Nano Technologies, Pages 1-22	https://www.sciencedirect.com/science/article/pii/B9780323461528000019
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16.	**Bogaard A.E., Stobberingh E.E., 2000,** Epidemiology of resistance to antibiotics: Links between animals and humans. Int J Antimicrob Ag, 14:237-335.	http://www.dpi.inpe.br/Miguel/RefsEUREQA/Bogaard_EpidemioRestoAntibiotic_IntJou_antimicAgents_2000.pdf

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18.	**British Small Animal Veterinary Association (BSAVA)-UK Five Year Antimicrobial Resistance (AMR) Strategy 2013 to 2018**	https://www.bsava.com/Resources/Veterinary-resources/Medicines-Guide/Antibacterials
19.	**Canadian Integrated Program for Antimicrobial Resistance (CIPARS)**	https://www.canada.ca/en/public-health/services/surveillance/canadian-integrated-program-antimicrobial-resistance-surveillance-cipars.html
20.	**Center for Disease Control and the Global Health Security Agenda (GHSA)**	https://www.cdc.gov/globalhealth/security/index.htm
21.	**Chandler I.R., 2019,** Current accounts of antimicrobial resistance: stabilisation, individualisation and antibiotics as infrastructure, Palgrave Communications volume 5, Article number: 53.	https://www.nature.com/articles/s41599-019-0263-4
22.	**Chopra I, Roberts M., 2001,** Tetracycline Antibiotics: Mode of Action, Applications, Molecular Biology and Epidemiology of Bacterial Resistance. Microbiol Mol Biol Rev., 65(2):232-260	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC99026/
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43.	Different Classes of Antibiotics-An Overview	https://www.compoundchem.com/wp-content/uploads/2014/09/A-Guide-to-Different-Classes-of-Antibiotics-Aug-15.png
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53.	**European Centre for Disease Prevention and Control (ECDC) – European Antimicrobial Resistance Surveillance System (EARS-Net)**	https://www.ecdc.europa.eu/en/about-us/partnerships-and-networks/disease-and-laboratory-networks/ears-net
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