

## LISTA DE LUCRĂRI

- A. **Titlul tezei de doctorat:** „Identificarea unui panel de microARN-uri circulante pentru diagnosticul și predicția fibrilației atriale. Abordare clinică și experimentală.”
- B. **Articole publicate in extenso:**
- *Articole în reviste cotate ISI, cu factor de impact*
1. Halațiu VB. Perian M. **Balan AI**. Scridon A. *Transesophageal Atrial Burst Pacing for Atrial Fibrillation Induction in Rats*. J Vis Exp 2022, 180, FI: 1.355 – coautor.
  2. Scridon A. Halațiu VB. **Balan AI**. Cozac DA. Valeriu Moldovan V. Bănescu C. Perian M. Șerban RC. *Long-Term Effects of Ivabradine on Cardiac Vagal Parasympathetic Function in Normal Rats*. Front Pharmacol 2021. 12:596956, FI: 5.810 – coautor.
  3. Șerban RC. **Balan AI**. Perian M. Pintilie I. Somkerek S. Huțanu A. Scridon A. *Atrial electrical remodeling induced by chronic ischemia and inflammation in patients with stable coronary artery disease*. Chin J Physiol 2019, 62(1):11-16, ISSN 0304-4920, FI: 1,151 – contribuție egală cu cea a primului autor.
  4. Scridon A. Perian M. Grigoraș T. Halațiu VB. Vântu A. **Balan AI**. Cosma IA. Barmou AC. Finascu BA. Moldovan DL. Cozac DA. Șerban RC. *Spontaneous atrial fibrillation after long-term transesophageal atrial burst pacing in rats. Technical and procedural approach to a new in vivo atrial fibrillation model*. Rev Rom Med Lab 2018, 1: 105-112. ISSN-L: 1841-6624, FI: 0,800 – coautor.
- *Articole în reviste indexate BDI*

11/120

1. **Balan AI.** Pintilie I. Somkereki C. Perian M. Chinezu L. Bănescu C. Șerban RC. Scridon A. *Role of Preexisting Proarrhythmic Atrial Remodeling in Post-Coronary Artery Bypass Grafting Atrial Fibrillation.* Romanian Journal of Cardiology 2021, 31: 597-607, ISSN 1220-658X.
2. Halațiu VB. **Balan AI.** Cozac DA. Bobârnac R. Perian M. Șerban RC. Scridon A. *Chronic Exposure to High Doses of Bisphenol A Exhibits Significant Atrial Proarrhythmic Effects in Healthy Adult Rats.* Romanian Journal of Cardiology 2021, 31: 587-595, ISSN 1220-658X.
3. **Balan AI.** Grigoraș T. Matei C. Grigoraș A. Halațiu VB. Șerban RC. Scridon A. *Effect of Isoflurane Anesthesia on the Heart Rate and Blood Pressure Response to Autonomic Nervous System Stimulation and Inhibition in Rats.* Acta Med Marisiensis 2020, 66: 1-15, ISSN 2068-3324.
4. **Balan AI.** Scridon A. *Atrial fibrillation – an orchestra of classic and modern risk factors.* Acta Med Marisiensis 2019, 65: 80-86, ISSN 2068-3324.

#### C. Articole publicate în rezumat

1. **Balan AI.** Halațiu VB. Cozac DA. Moldovan V. Bănescu C. Perian M. Șerban RC, Alina Scridon A. *The impact of chronic ivabradine administration on the parasympathetic nervous system in rats.* National Congress of Cardiology, Sinaia, Romania, 22-25 September 2021, Romanian Journal of Cardiology S2021, ISSN 2734-6439
2. **Balan AI.** Halațiu VB. Vântu A. Grigoraș T. Cosma IA. Barmou AC. Finașcu BA. Cozac DA. Perian M. Șerban RC. Scridon A. *Impact of chronic ivabradine administration on atrial arrhythmogenesis and autonomic nervous system in rats.* National Congress of the Romanian Society of Physiology 22-24 October 2020, Abstracts 2020: 10.
3. **Balan AI.** Halațiu VB. Vântu A. Perian M. Șerban R. *Chronic hyperpolarization-activated inward current blockade does not affect atrial action potential parameters.* The VI International Medical

12/120



and Pharmaceutical Congress of Students and Young Scientists, Chernivtsi, Ukraine, 2-5 April 2019, Abstracts Book 2019: 155, ISSN 2616-5392.

4. **Balan AI.** I Pintilie I. C Somkereki. Chinezu L. Bănescu C. Șerban RC. Scridon A. *The impact of preexisting proarrhythmic changes on the risk of post-coronary artery bypass grafting atrial fibrillation.* National Congress of Cardiology, Sinaia, Romania, 18-21 September 2019, Romanian Journal of Cardiology 2019, 29: 291, ISSN 2392-6910.
5. **Balan AI.** Pintilie I. Somkereki C. Perian M. Șerban RC. Scridon A. *The effect of obesity on proarrhythmic atrial remodeling in patients with stable coronary artery disease undergoing elective coronary artery bypass grafting.* International Congress for Students, Young Doctors and Pharmacists "MARISIENSIS", Târgu Mureș, Romania, 27-31 March 2019, Acta Med Marisiensis 2019, 65: 6, ISSN 2068-3324.
6. **Balan AI.** Halațiu VB. Grigoraș T. B Finascu. Barmou AC. Cozac DA. Cosma IA. Perian M. Șerban RC. Scridon A. *The impact of chronic ivabradine administration on transesophageal pacing-induced atrial fibrillation.* National Congress of the Romanian Society of Physiology 27-29 September 2020, Clujul Medical 2018, 91:S34. ISSN 12222119.
7. **Balan AI.** Perian M. *Blood pressure dipping status - A goal to achieve?* 11th International Medical Congress for Students and Young Doctors, Sibiu, Romania, 3-6 May 2018, Asklepios 2018: 184, ISSN 1843-0406.
8. **Balan AI.** Șerban RC. Pintilie I. Somkereki C. Perian M. Scridon A. *Impact of chronic myocardial ischemia and inflammation on atrial proarrhythmic electrical remodeling.* International Congress for Students, Young Doctors and Pharmacists "MARISIENSIS", Târgu Mureș, Romania, 28 March - 1 April 2018, Acta Med Marisiensis 2018, 64: 5, ISSN 2068-3324.

123/1100

9. **Balan AI.** Cosma IA. Barmou CA. Cozac DA. Perian M. *Effects of chronic ivabradine administration on atrial arrhythmogenesis in rats.* 19th Craiova International Medical Students' Conference, Craiova, Romania, 9-12 November 2017, Abstracts Journal 2017: 68, ISSN 2285-6420.

**D. Alte lucrări și contribuții științifice:**

1. 7 lucrări la evenimente științifice internaționale în calitate de coautor
2. 15 lucrări la evenimente științifice naționale în calitate de coautor

14/120