

Without being required in the competition for associate professor, the candidate Dr. Aminkov has also added assets under

• **Indicator E: 45 points** were formed from participation in 15 national scientific and educational projects.

✚ **The candidate in the competition, Konstantin Bogdanov Aminkov, has a total of 728.15 points, significantly exceeding the required minimum 400 points for an associate professor.**

3. Assessment of the candidate's teaching work.

Konstantin Bogdanov Aminkov has 8 years of teaching experience, which includes a large number of classes (lectures and exercises in Bulgarian & English) in the disciplines: surgery, radiology, anesthesiology and emergency medicine, neurology and neurosurgery, physiotherapy, dentistry, as well as duty in the clinic of the University and the deployment of mobile clinics.

He is the co-author of two study student programs in Bulgarian and English: "Propaedeutics of surgical diseases in animals" and "Veterinary dentistry".

Increases his qualification through participation in various educational and professional forums, including: XVI BASAV Congress. Bulgarian Association of Small Animal Veterinarians, 2016; Dog and Cat Endoscopy Seminar, 2018; 5th International Vet-Istanbul Group Congress & 8th International Scientific Meeting Days of veterinary medicine. Workshops: Basic Course of Dentistry and Neurological examination, Ohrid, North Macedonia, 2018.

The associate professor candidate actively participates in the faculty's academic work. He is a member of three permanent committees (2018-2020) and six temporary ones (2019-2023).

✚ **The candidate for associate professor is an accomplished educator who has earned the trust and love of several generations of students.**

4. Assessment of the candidate's scientific, scientific applied and publication work.

In the competition for associate professor, the candidate presents 16 scientific works, of which: scientific publications with an impact factor (IF) - 1; scientific publications without an impact factor (IF) in English - 10; scientific publications without impact factor (IF) in Bulgarian - 3; monograph - 1; book - 1. The candidate's overall impact factor is 0.9.

The more important benefits of Dr. Aminkov's research work include the following 4 areas:

❖ **Platelet-rich plasma - development, application and treatment of surgical diseases in company animals.**

1. The administration of platelet-rich plasma is an effective therapeutic approach for the treatment of complicated, post-operative wounds in cats - *Original contribution*

2. Platelet-rich plasma is an effective and reliable method for the treatment of skin defects in dogs - *Original contribution*

3. Platelet-rich plasma has osteoinductive potential and promotes bone regeneration of a bone defect in a dog - *Original contribution*.

4. The combination of platelet-rich plasma and hyaluronic acid is an effective and reliable method for the treatment of osteoarthritis in dogs - *Original contribution*

❖ **Imaging diagnostics.**

1. Radiographic images and descriptions by the author provided in a study of brown bears with varying degrees of lameness may serve as valuable diagnostic methods for veterinarians and researchers working with brown bears - *Original Contribution*.

2. The performed computed tomography study of the blood vessels of the knee joint in sheep and the obtained results significantly improve the understanding of the vascular supply of the joint and surrounding tissues, which is essential in the diagnosis and therapy of joint diseases - *Original contribution*.

❖ **Veterinary Anesthesiology.**

1. The study on the effects of balanced anesthesia (described in detail) during dental procedures in brown bears and the results obtained from the selected anesthetic protocol showed no significant changes in the basic physiological indicators, except for a significant decrease in core body temperature - *Original contribution*.

2. Evaluation of the effects of anesthetic agents on cardiorespiratory function during balanced anesthesia in brown bears - *Original contribution*.

The evaluation of the analgesic effects of the proposed anesthetic plan during dental procedures in the bears (no pain reaction was detected during the manipulation) - *Original contribution*.

3. The studied effects of total intravenous anesthesia on haematological/biochemical parameters in brown bears confirm the applicability of the used protocol in various medical procedures of considerable duration and with minimal anesthetic risk to the patient - *Original contribution*.

4. The studied effectiveness of balanced anesthesia with premedication (with dexmedetomidine HCl, ketamine HCl and butorphanol tartrate and induction with propofol and maintenance with ketamine HCl and propofol) in experimental compression anastomosis in pigs shows that the used balanced anesthetic protocol allows stable and safe anesthesia, which is effective for experimental procedures in pigs undergoing abdominal surgery - *Original contribution*.

❖ **Other contributions.**

1. In a described case of a dog with a bladder tumor detected by contrast-enhanced computed tomography, contrast-enhanced computed tomography has been confirmed to be a reliable imaging method in identifying masses larger than 0.5 cm, can visualize mucosal abnormalities up to 2 mm and is a minimally invasive method with greater diagnostic value compared to conventional excretory urography - *Confirmatory contribution*.

2. The numerous studies performed on a neuroendocrine tumor in a bear (ultrasound, computed tomography, pathomorphological/histological, immunohistochemical) and the obtained results can claim originality - *Original contribution*.

3. Using imaging methods (conventional radiography, ultrasound and computed tomography), a diagnosis of torsio lienis in a dog was made - *Confirmatory contribution*.

Dr. Aminkov's efforts to popularize science in practice are very convincing. He is the author of two publications:

1. Aminkov K., 2021. Study of the influence of different regenerative therapies in sheep and dogs with osteoarthritis (Intel Entrans, ISBN 978-619-7554-78-6, SOFIA, pp. 1-146). The book was published on the basis of a defended PhD dissertation. I agree with the opinions of the authoritative reviewers (Borisov Iv., Paskalev M.) about its high evaluation and value;

2. Aminkov K., 2024. Regenerative therapies (Intel Entrans, ISBN 978-619-7703-53-5, SOFIA, pp. 1-112). The monograph addresses current issues in the treatment of wounds, osteoarthritis and orthopedic trauma in dogs and cats. The professional evaluations given by the specialists (Murdzheva M., Paskalev M.) are an excellent certificate for the monograph.

The candidate for associate professor is well represented with his participation in 3 projects financed through Scientific Research Union of the Forestry University (2017-2018-2021) and 1 from the National Innovation Fund (2020).

Konstantin Aminkov also participated in 12 conferences - 11 international and 1 national.

5. Assessment of the candidate's personal contribution

✚ **I am convinced of the high personal contribution of the candidate for associate professor, in his overall scientific, pedagogical and expert activity.**

6. Critical notes and recommendations.

✚ **Recommendation. May Dr. Aminkov preserve his remarkable knowledge, with his inexhaustible creative charge to affirm the academic prosperity of the FVM at the Forestry University - Sofia, promoting his future scientific results in prestigious european and world scientific publications and forums.**

7. Personal impressions.

✚ **I know Dr. Kontantin Bogdanov Aminkov as an erudite researcher, a teacher beloved by his students and a deeply respected colleague in the academic and professional veterinary medical college.**

C o n c l u s i o n

I give my **positive vote** for the candidate **Dr. Kontantin Bogdanov AMINKOV** to occupy the academic position of **Associate professor** in the scientific specialty **“Animal Surgery, Radiology and Physiotherapy”** of the discipline "Surgery", professional area 6.4. Veterinary medicine.

Statement prepared by:



15 May 2024

Stara Zafora