



Hanna Fotina

Date of birth: 29/04/1981 | **Nationality:** Ukrainian | **Gender:** Female |

(+380) 992386224 | super.annafotina@ukr.net |

<https://www.facebook.com/profile.php?id=1303880753> | Viber: +0380992386224 |

G.Kondratieva, 211, a, 71, 40021, Sumy, Ukraine

About me: Doctor of Veterinary Sciences, Professor Department of Veterinary Examination, Microbiology, Zoohygiene and Safety and Quality of Livestock Products
<https://orcid.org/0000-0002-0761-3681>

WORK EXPERIENCE

01/09/2015 – CURRENT – Sumy, Ukraine

DEPUTY DEAN FOR WORK WITH INTERNATIONAL STUDENTS – SUMY NATIONAL AGRARIAN UNIVERSITY, FACULTY OF VETERINARY MEDICINE.

Coordination of foreign students training at the Faculty of Veterinary Medicine

01/02/2005 – CURRENT – Sumy, Ukraine

VETERINARY SCIENCE PROFESSOR – SUMY NATIONAL AGRARIAN UNIVERSITY

Lecturer of the Organization and Economy of Veterinary Affairs, Professional Ethics of Veterinary doctors, International Veterinary Law, International animal welfare standards.

Direction of research: "International animal Welfare, Ethics and laws", "Development and introduction of environmentally safe veterinary drugs".

Research work: "Effective toxicological evaluation and development of chemotherapeutic agents in poultry", "Monitoring of poultry diseases" and "Issues of animal Welfare, Ethics and laws in case of Ukraine".

10/12/2020 – CURRENT – Sumy, Ukraine

FORENSIC VETERINARY EXPERT OF MINISTRY OF JUSTICE, UKRAINE, SUMY BRANCH OF KHARKIV RESEARCH INSTITUTE OF FORENSIC SCIENCES BY HONORARY. PROF. M.S. BOCARIUS. – SUMY BRANCH OF KHARKIV RESEARCH INSTITUTE OF FORENSIC EXAMINATIONS BY HONORARY. PROF. M.S. BOCARIUS

The main tasks of the activity are:

- assessment of the severity of injuries, the degree of health disorders of live animals, loss of their productivity, assessment of the timeliness and completeness of treatment and prevention, anti-epizootic, sanitary, quarantine measures, etc.
- establishment of violent death as a result of gunshot wounds, poisoning or other causes;
- assessment of the timeliness and completeness of the measures provided for by current veterinary legislation; complex veterinary and commodity research of live animals;
- solving issues in the field of animal husbandry technology and veterinary medicine;
- study of the actual data that took place during the care, treatment, preventive measures and culling of animals (timeliness and adequacy of veterinary care to the animal; compliance of the specialist with the requirements of veterinary medicine during treatment and prevention measures);
- establishing compliance of veterinary documents with the current legislation of Ukraine.

01/09/2010 – CURRENT – Brovary, Ukraine

SCIENTIFIC ADVISER OF THE LTD "BROVAFARMA"(CONDUCTS CLINICAL AND PRE-CLINICAL RESEARCH OF VETERINARY DRUGS). – LTD "BROVAFARMA"

2020 – CURRENT – Ukraine

MEMBER OF BRITISH ECOLOGICAL SOCIETY SINCE 2000. – BRITISH ECOLOGICAL SOCIETY



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✉ Email address: super.annafotina@ukr.net

☎ Viber : +380992386224

📘 Facebook : <https://www.facebook.com/profile.php?id=1303880753>

📍 Address: G.Kondratieva, 211, a, 71, 40021 Sumy (Ukraine)

ABOUT ME

Doctor of Veterinary Sciences, Professor of Vetsanexamination, microbiology, zoohygiene and safety and quality of animal products Chair, Faculty of Veterinary Medicine, Sumy National Agrarian University. Scientific Adviser of the Ltd "Brovafarma"(conducts clinical and pre-clinical research of veterinary drugs). Work experience of scientific and pedagogical work in a higher educational institution (Sumy National Agrarian university) - 15 years. Orcid ID 0000-0002-0761-3681 h-index: 3 <https://scholar.google.com.ua/citations?user=A1HB8o4AAAAJ&hl=ru>

PUBLICATIONS

Phytochemical screening, proximate analysis, median lethal dose (LD₅₀), haematological and biochemical effects of various extracts of *Abrus precatorius* seeds in *Mus musculus*

[2018]

<https://www.banglajol.info/index.php/JAVAR/article/view/38441>

Metion, Hanna Fotina

Abrus precatorius is a universal panacea in herbal medicine. In view of this, phytochemical screening, proximate analysis.

Involvement of eIF2 α in halofuginone-driven inhibition of TGF- β 1-induced EMT

[2020]

<https://doi.org/10.1007/s12038-020-00042-5>

Duan, M., Wei, X., Cheng, Z. et al.

Halofuginone (HF) is an extract from the widely used traditional Chinese medicine (TCM) *Dichroa febrifuga* that facilitates the recovery of wounds and attenuates hepatic fibrosis. However, the role of HF in the epithelial-mesenchymal transition (EMT) of IPEC-J2 cells remains unclear. The current study explored the anti-EMT effect of HF in IPEC-J2 cells and illustrates its molecular mechanism. Transforming growth factor β 1 (TGF- β 1), as a recognized profibrogenic cytokine, decreased the level of the epithelial marker E-cadherin and increased the level of the mesenchymal markers, such as N-cadherin, fibronectin (FN), vimentin (Vim), and α -smooth muscle actin (α -SMA), in IPEC-J2 cells depending on the exposure time and dose. HF markedly prevented the EMT induced by TGF- β 1. Dissection of the mechanism revealed that HF inhibited IPEC-J2 cell EMT via modulating the phosphorylation of SMAD2/3 and the SMAD2/3-SMAD4 complex nuclear translocation. Furthermore, HF could promote the phosphorylation of eukaryotic translation initiation factor-2 α (eIF2 α), which modulates the SMAD signaling pathway.