

Conference resolution

I International scientific conference “Global studies of tobacco, tobacco products, and innovative nicotine-containing products: status and perspectives” has been organized and carried by Federal State Budgetary Scientific Institution “All-Russian Scientific Research Institute of Tobacco, Makhorka and Tobacco Products” (FSBSI ARSRITTP, Krasnodar, RF). Conference was carried in online format available at <https://tobacco-science.ru> in 17.11.2020. Philip Morris International (PMI) was the partner of the conference.

More than 55 specialists from different countries (Russian Federation, Byelorussia, North Macedonia, Albania, Vietnam, Bulgaria, Indonesia, Philippines) took part in conference.

Scientists from 4 foreign organizations: “St. Kliment Ohridski” University (Bitola, Scientific tobacco Institute - Prilep, Kicevska bb, Prilep), Faculty of Agricultural Sciences and Food Ss Cyril and Methodius University (Skopje, Republic of North Macedonia), Agricultural University of Tirana (Tirana, Albania), Vietnam Tobacco Institute (Hanoi, North Vietnam) and also Cerulean company have made reports.

Scientists from FSBSI “All-Russian Scientific Research Institute of Tobacco, Makhorka and Tobacco Products” and from Kuban state technological university (Krasnodar, Russian Federation) have also made reports.

All presented reports can be characterized as actual, novel and of high scientific level. Research area included reports on innovative nicotine containing products, tobacco products, leaf tobacco and its processing. Comparative studies on toxicants contents in aerosols of reference cigarette 3R4F and heated tobacco products have been presented. Contents of carbonyls, tobacco specific nitrosamines in aerosols of innovative products: electronic system for heating tobacco (ESHT), electronic system for nicotine delivery (ESND) and reference cigarettes 3R4F have been measured by HPLC MS/MS. Basic research directions for innovative nicotine containing non-tobacco products of oral consuming have been offered. Also questions on quality and safety assuring for tobacco and nicotine containing products have been distinguished. Factors defining toxicity of hookah aerosol have been revealed. Standardization peculiarities of the tobacco industry in order to improve valid standards and elaborate new standards have been demonstrated. Evaluation of Russian market of tobacco products in terms of manufacturing and consuming has been given. Effect of illegal products’ quality on consumers has been carried. Using resistant genomes of wild tobacco species in tobacco selection process has been offered. Chemical and physical properties of tobacco sort Prilep 66 obtained by methods of complex manufacturing compared to traditional methods has been presented. Also some chemical properties of dihaploid sorts and lines of Prilep type have been introduced. Modern technologies for growing and protecting the tobacco have been examined. Effect of potato Y-virus on growing, development and chemical composition of flue cured tobacco produced in North Vietnam has been demonstrated. Also using biological agents Trichoderma for protecting tobacco seedling have been estimated. Innovative low- and waste free technologies in tobacco industry and possibilities of utilizing microplasma

treatment of tobacco leaves for their further processing have been presented. New methods for production oriental tobaccos, economic and social aspects of tobacco production in North Macedonia have been introduced.

Video presentations on peculiarities of testing nicotine delivery systems using laboratory linear smoking machine Cerulean in All-Russian Scientific Research Institute of Tobacco, Makhorka and Tobacco Products (Krasnodar, Russian Federation) and also review on laboratory smoking machines introduced by Cerulean Company were an important parts of the conference.

As the result of the conference participants state actuality of introduced questions and their solving will lead to development of tobacco and nicotine delivery manufacturing at higher and modern level acceptable for consumers, obtaining cured tobacco with high functional and technological properties and increased safety.

Conference recommends:

- continue researches on innovative tobacco products: electric systems for heating tobacco (ESHT), and electronic systems for nicotine delivery (ESND), nicotine containing smokeless products for oral type of consuming;

- expand researches on elaboration of complex evaluation of tobacco and innovative nicotine containing products on the base of modern methods for controlling safety and quality of products and legal requirements according to international requirements;

- carry on researches on elaboration ecological, energy and resource conserving economically proved technologies for manufacturing cured tobacco of high quality using innovative selection, agro technologic, physical and chemical processes and methods for obtaining agricultural products.

Organizing committee expresses appreciation to partner of conference – company Philip Morris International (PMI) and all participants for reports and active contribution in international conference. This conference has displayed necessity of researches on innovative nicotine containing products, tobacco products and tobacco.