



UNIVERZITA KARLOVA
Farmaceutická fakulta
v Hradci Králové

Report on defence of dissertation thesis

Academic year: 2020/2021

Student's name and surname: Latifah Ajaj M Al Shammari
Year of birth: 1979
Student's ID: 12234873

Type of the study programme: doctoral
Study programme: Pharmacognosy and Nutraceuticals
Branch of study: Pharmacognosy and Nutraceuticals
Study Identification Number: 562676

Title of the thesis: Alkaloids of genus *Hippeastrum* (Amaryllidaceae): isolation, identification, biological activity
Thesis department: Department of Pharmaceutical Botany (16-16130)
Language of the thesis: English
Language of defence: English
Supervisor: prof. Ing. Lucie Cahlíková, Ph.D.
Reviewer(s): prof. Ing. Milan Nagy, CSc.
doc. PharmDr. Karel Šmejkal, Ph.D.

Date of defence: 31.05.2021 **Venue of defence:** Hradec Králové

Votes of the board: pass: 8 fail: 0

Course of defence: The defense, which took place in a hybrid form due to the epidemiological situation, when some members of the commission were present and the remaining members were available through the TEAMS application, was initiated by the authorized chairwoman of the commission Assoc.Prof. Kateřina Macáková, Ph.D. The defense took place in English. The chairwoman welcomed the present members of the commission, opponents and others present and acquainted them with the plan (course) of the defense. Prof. Lucie Cahlíková, Ph.D. (supervisor) introduced the MSc. Latifah Al Shammari and presented the student's evaluation in terms of doctoral studies. MSc. Shammari subsequently presented the results of her doctoral thesis to the members of the council; her performance was calm and convincing; she clearly and intelligibly explained the results and convincingly declared the predictions based on her experimental work. The evaluation of both opponents was positive. Prof. Milan Nagy, CSc. expressed a favorable opinion on the results, appreciated the original scientific outputs and the perspective of the topic. Prof. PharmDr. Karel Šmejkal, Ph.D., as the second opponent, also spoke in favor of the results. Both opponents appreciated the originality of the results with their contribution to the topic at the training workplace. The doctoral student responded to the opponents' questions factually and convincingly, and both opponents had no additional questions or remarks. During the open discussion, the doctoral student answered the following questions:
Prof. Opletal - Do taxa of the family Amaryllidaceae occur naturally even in areas of the temperate climate zone?

Assoc.Prof. Macáková - Which types of Amaryllidaceae alkaloids are important for their antineoplastic activity?
 In a closed session, the commission assessed the course of the defense and positively evaluated the scientific results of the doctoral student; a total of 3 accepted works in IF journals, of which 2 works were first-author, one work is under review now. The doctoral student participated in 3 domestic and 1 foreign conference. The Commission decided on the result by voting. Of the 8 members present, 8 were in favor.

Result of defence:	pass (P)	
Chair of the board:	doc. Ing. Kateřina Macáková, Ph.D.
Committee members:	prof. Ing. Lucie Cahlíková, Ph.D.
	doc. MUDr. Otto Kučera, Ph.D.
	prof. PharmDr. Pavel Mučaji, Ph.D.
	prof. RNDr. Lubomír Opletal, CSc.
	doc. PharmDr. Tomáš Siatka, CSc.
	doc. PharmDr. Karel Šmejkal, Ph.D.
	doc. PharmDr. Lenka Tůmová, CSc.