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ORIGINAL RESEARCH ARTICLE

Cyclic voltammetry and UV/Vis spectroscopy in combination with multivariate data analysis for the assessment of authenticity of poplar type propolis

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Online Supplementary material

Table S1. List of propolis samples.

No.	Geographical origin	Mass of sample (g)	Classification according to HPTLC fingerprint
1	West region - Serbia	1.01	Blue
2	Central region - Serbia	1.05	Orange
3	West region - Serbia	1.01	Blue
4	South region - Serbia	1.01	Orange
5	East region - Serbia	1.01	Orange
6	East region - Serbia	1.01	Orange
7	Vojvodina - Serbia	1.02	Orange
8	Central region - Serbia	1.09	Orange
9	Vojvodina - Serbia	1.02	Orange
10	East region - Serbia	1.02	Orange
11	West region - Serbia	1.01	Orange
12	Belgrade region - Serbia	1.18	Orange
13	Vojvodina - Serbia	0.99	Blue
14	Vojvodina - Serbia	1.01	Orange
15	Vojvodina - Serbia	1.04	Orange
16	Vojvodina - Serbia	0.95	Blue
17	Vojvodina - Serbia	1.02	Orange
18	West region - Serbia	1.00	Orange
19	Central region - Serbia	1.01	Orange
20	South region - Serbia	1.01	Orange
21	South region - Serbia	1.02	Blue
22	South region - Serbia	1.01	Orange
23	South region - Serbia	1.03	Orange
24	Vojvodina - Serbia	1.02	Orange
25	Vojvodina - Serbia	0.98	Orange
26	Vojvodina - Serbia	1.08	Orange
27	South region - Serbia	1.07	Orange
28	South region - Serbia	1.04	Orange
29	Croatia	1.12	Blue
30	Central region - Serbia	1.05	Orange
31	West region - Serbia	1.03	Orange
32	Vojvodina - Serbia	1.39	Orange
33	East region - Serbia	1.05	Orange
34	South region - Serbia	1.04	Orange
35	Central region - Serbia	1.02	Orange
36	Central region - Serbia	1.00	Orange
37	Kosovo and Metohija - Serbia	1.04	Orange
38	Kosovo and Metohija - Serbia	1.00	Orange
39	Kosovo and Metohija - Serbia	1.08	Orange
40	Kosovo and Metohija -	1.03	Orange

Serbia

41	East region - Serbia	1.07	Blue
42	West region - Serbia	1.02	Orange
43	Central region - Serbia	1.03	Orange
44	West region - Serbia	1.01	Orange
45	West region - Serbia	1.04	Blue
46	Central region - Serbia	0.66	Blue

Table S2. Parameters of descriptive statistics for TPC, TFC and RSA for orange and blue type propolis.

		TPC	TFC	RSA (%)
Blue type propolis	mean	98,58	42,72	49,02
	median	89,83	40,67	44,79
	stdev	64,39	13,56	18,86
	min	12,19	27,33	28,28
	max	224,89	63,21	88,21
	Orange type propolis	mean	131,10	61,62
median		133,2	63,97	53,21
stdev		37,45	16,79	16,67
min		51,15	29,44	21,19
max		210,29	92,19	87,29