EXCLI Journal 2025;24:1456-1458 – ISSN 1611-2156
Received: October 15, 2025, published: October 28, 2025

Corrigendum to original article: https://dx.doi.org/10.17179/excli2015-232
[EXCLI Journal 2015;14:908-915]; PMID: 26600752; PMCID: PMC4650949

Corrigendum

ANTI-ATHEROGENIC POTENTIAL OF JUJUBE, SAFFRON AND BARBERRY: ANTI-DIABETIC AND ANTIOXIDANT ACTIONS

Mina Hemmati[1, 2*], Elham Zohoori[2], Omid Mehrpour[1], Mehdi Karamian[3], Somaye Asghari[2], Asghar Zarban[2], Roya Nasouti[2]

Birjand University of Medical Sciences, Birjand, Iran
[1] Atherosclerosis and Coronary Artery Research Center
[2]
[3] Cellular and Molecular Research Center

* Corresponding author: Mina Hemmati, Ph.D, Assistant Professor in Clinical Biochemistry, Department of Biochemistry, Faculty of Medicine, Birjand University of Medical Sciences, Birjand, Iran, Phone: 00985632395418, Fax: 00985632393004,
E-mail address: minahemmati@bums.ac.ir, mina1hemmati@yahoo.com

https://dx.doi.org/10.17179/excli2025-9043

After publication, it was brought to the attention of the editors that the published standard deviations in Table 1 and 2 were identical, although different parameters were analyzed.

Our initial attempts to contact the authors were unsuccessful, which is why we originally retracted the article. However, the authors have since proven that it was not their fault and that we had not received their e-mails. Most probably, there was a transmission error. The editors have now received the data of the individual animals from the authors. We do not have the possibility to verify the procedures in the laboratories and to guarantee the authenticity of the data submitted to us. The tables below contain the data of the individual animals as they were submitted by the authors upon our request. We have therefore withdrawn the previously published retraction (https://www.excli.de/excli/article/view/8875) and are publishing a corrigendum instead.

The editors of the EXCLI Journal

EXCLI Journal 2025;24:1456-1458 – ISSN 1611-2156
Received: October 15, 2025, published: October 28, 2025

Table 1: The effects of hydroalcoholic extracts of *B. vulgaris, C. sativus* and *Z. jujuba* on lipid profile and AIP in diabetic groups

Parameters Experimental groups [1]	FBG (mmol/L)	Triglycerides (mmol/L)	Cholesterol (mmol/L)	HDL-C (mmol/L)	AIP	Lp (a) (μg/dl)	Adi-ponec-tin (mg/L)
Non-Diabetic control	8.2, 7.9, 8.6, 8.4, 8.3	.49, .5, .52, .61, .65	1.46, 1.48, 1.61, 1.65, 1.72	.83, .88, .92, .95, .97	-.19	23.7, 28.4, 29.4, 31.4, 34.4	4.392, 4.547, 4.650, 4.702, 4.960
Diabetic control	28, 29.9, 31, 32.8, 34	1.67, 1.78, 1.82, 1.9, 1.97	2.4, 2.48, 2.74, 3, 3.1	.55, .62, .68, .7, .8	.43	41.36, 45.03,48.7, 52.37,56.04	2.576, 2.648, 2.700, 2.731, 2.845
B. vulgaris (25 mg /kg)	8.65, 8.72, 8.8, 8.89, 8.97	.5, .6, .7, .65, .8	1.38, 1.6, 1.61, 1.63, 1.98	.72, .81, .69, .83, .8	-.07	13.61, 21.99, 25.66, 29.33, 30.90	3.754, 3.827, 3.900, 3.952, 4.068
B. vulgaris (100 mg /kg)	8.8, 8.95, 9.03, 9.20, 9.18	.8, .75, .6, .5, .7	1.4, 1.5, 1.57, 1.64, 1.74	.82, .91, .85, .9, .87	-.11	26.14, 31.47, 34.67, 36.80, 38.93	4.167, 4.233, 4.300, 4.344, 4.455
C. sativus (25 mg /kg)	7.82, 8.25, 8.5, 8.75, 9.18	.6, .3, .4, .5, .5	1.45, 1.6, 1.68, 1.76, 1.91	.52, .56, .7, .75, .82	-.16	16.96, 19.90, 25.78, 28.72, 32.64	3.675, 3.738, 3.800, 3.852, 3.935
C. sativus (100 mg /kg)	7.92, 8.12, 8.4, 8.68, 8.88	.35, .4, .4, .3, .2	1.49, 1.51, 1.54, 1.61, 1.76	.58, .6, .7, .91, 1	-.35	14.21, 18.54, 21.78, 23.95, 25.03	3.939, 4.025, 4.100, 4.154, 4.282
Z. jujuba (25 mg /kg)	7.2, 7.55, 7.9, 8.25, 8.6	.5, .6, .4, .35, .3	1.37, 1.5, 1.50, 1.91, 2.1	1.2, 1.2, 1.3, 1.5, 2.1	-.52	17.68, 21.24, 25.99, 28.36, 30.73	3.392, 3.446, 3.500, 3.532, 3.629
Z. jujuba (100 mg /kg)	7.5, 7.8, 8.1, 8.4, 8.7	.18, .2, .23, .3, .32	1.4, 1.55, 1.63, 1.64, 1.98	1.15, 1.2, 1.41, 1.47, 1.68	-.76	15.97, 20.21, 27.62, 29.74, 33.97	3.776, 3.838, 3.900, 3.952, 4.035

[1] For details of experimental conditions and definition of AIP see the text.

EXCLI Journal 2025;24:1456-1458 – ISSN 1611-2156
Received: October 15, 2025, published: October 28, 2025

Table 2: The effects of aqueous extracts of *B. vulgaris, C. sativus* and *Z. jujuba* on lipid profile and AIP in diabetic groups

Parameters Experimental groups [1]	FBG (mmol/L)	Triglycerides (mmol/L)	Cholesterol (mmol/L)	HDL-C (mmol/L)	AIP	Lp (a) (μg/dl)	Adi-ponec-tin (mg/L)
Non-Diabetic control	7.913, 8.171, 8.300, 8.429, 8.558	0.50, 0.53, 0.59, 0.64, 0.69	1.450, 1.510, 1.580, 1.620, 1.740	0.80, 0.87, 0.91, 0.95, 1.02	-0.19	24.87, 27.59, 29.40, 32.12, 34.84	4.391, 4.547, 4.650, 4.702, 4.960
Diabetic control	28.502, 29.801, 31.100, 31.966, 34.564	1.64, 1.75, 1.83, 1.89, 2.05	2.360, 2.550, 2.740, 2.883, 3.168	0.56, 0.63, 0.67, 0.72, 0.78	0.43	41.53, 45.11, 48.70, 51.57, 56.59	2.582, 2.641, 2.700, 2.729, 2.848
B. vulgaris (25 mg /kg)	8.647, 8.734, 8.800, 8.855, 8.964	0.52, 0.60, 0.65, 0.69, 0.78	1.517, 1.618, 1.740, 1.811, 2.014	0.78, 0.85, 0.90, 0.94, 1.03	-0.14	26.21, 29.17, 32.12, 34.09, 39.02	4.258, 4.324, 4.400, 4.447, 4.571
B. vulgaris (100 mg /kg)	8.915, 9.018, 9.100, 9.151, 9.315	0.45, 0.51, 0.55, 0.59, 0.65	1.290, 1.480, 1.670, 1.813, 2.098	0.79, 0.85, 0.91, 0.96, 1.04	-0.22	19.97, 24.08, 28.20, 31.49, 37.25	4.647, 4.719, 4.800, 4.845, 4.989
C. sativus (25 mg /kg)	8.743, 9.022, 9.300, 9.486, 9.950	0.56, 0.63, 0.69, 0.72, 0.81	1.611, 1.696, 1.780, 1.833, 1.980	0.77, 0.83, 0.88, 0.94, 0.98	-0.11	26.48, 30.13, 33.78, 36.52, 41.99	4.358, 4.424, 4.500, 4.547, 4.671
C. sativus (100 mg /kg)	8.368, 8.627, 8.800, 8.886, 9.318	0.42, 0.47, 0.52, 0.56, 0.63	1.584, 1.642, 1.690, 1.719, 1.825	0.77, 0.84, 0.89, 0.93, 1.01	-0.23	9.83, 12.92, 16.00, 18.31, 22.94	3.833, 3.917, 4.000, 4.046, 4.204
Z. jujuba (25 mg /kg)	7.776, 8.133, 8.400, 8.578, 9.113	0.34, 0.38, 0.43, 0.46, 0.54	1.476, 1.648, 1.820, 1.949, 2.207	0.86, 0.93, 0.98, 1.05, 1.13	-0.36	33.15, 35.79, 37.54, 39.29, 41.93	4.067, 4.129, 4.200, 4.251, 4.353
Z. jujuba (100 mg /kg)	8.412, 8.678, 8.900, 9.078, 9.522	0.32, 0.37, 0.41, 0.43, 0.47	1.252, 1.429, 1.650, 1.783, 2.137	0.95, 1.03, 1.11, 1.16, 1.25	-0.44	20.096, 22.108, 24.120, 25.629, 28.647	3.782, 3.841, 3.900, 3.929, 4.048

[1] For details of experimental conditions and definition of AIP see the text.