

Supplementary data for the article:

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## Supplementary material

### **Determination of toxic and essential trace elements in serum of healthy and hypothyroid respondents by ICP-MS: A chemometric approach for discrimination of hypothyroidism**

Aleksandar Stojsavljević<sup>a</sup>, Jelena Trifković<sup>a</sup>, Zorica Rasić-Milutinović<sup>b</sup>, Dragana Jovanović<sup>c</sup>,  
Gradimir Bogdanović<sup>d</sup>, Jelena Mutić<sup>a</sup>, Dragan Manojlović<sup>a</sup>

<sup>a</sup>*University of Belgrade - Faculty of Chemistry, Studentski trg 12-16, 11100 Belgrade, Serbia*

<sup>b</sup>*Department of Endocrinology, Faculty of Medicine, University Hospital Zemun, Belgrade, Serbia*

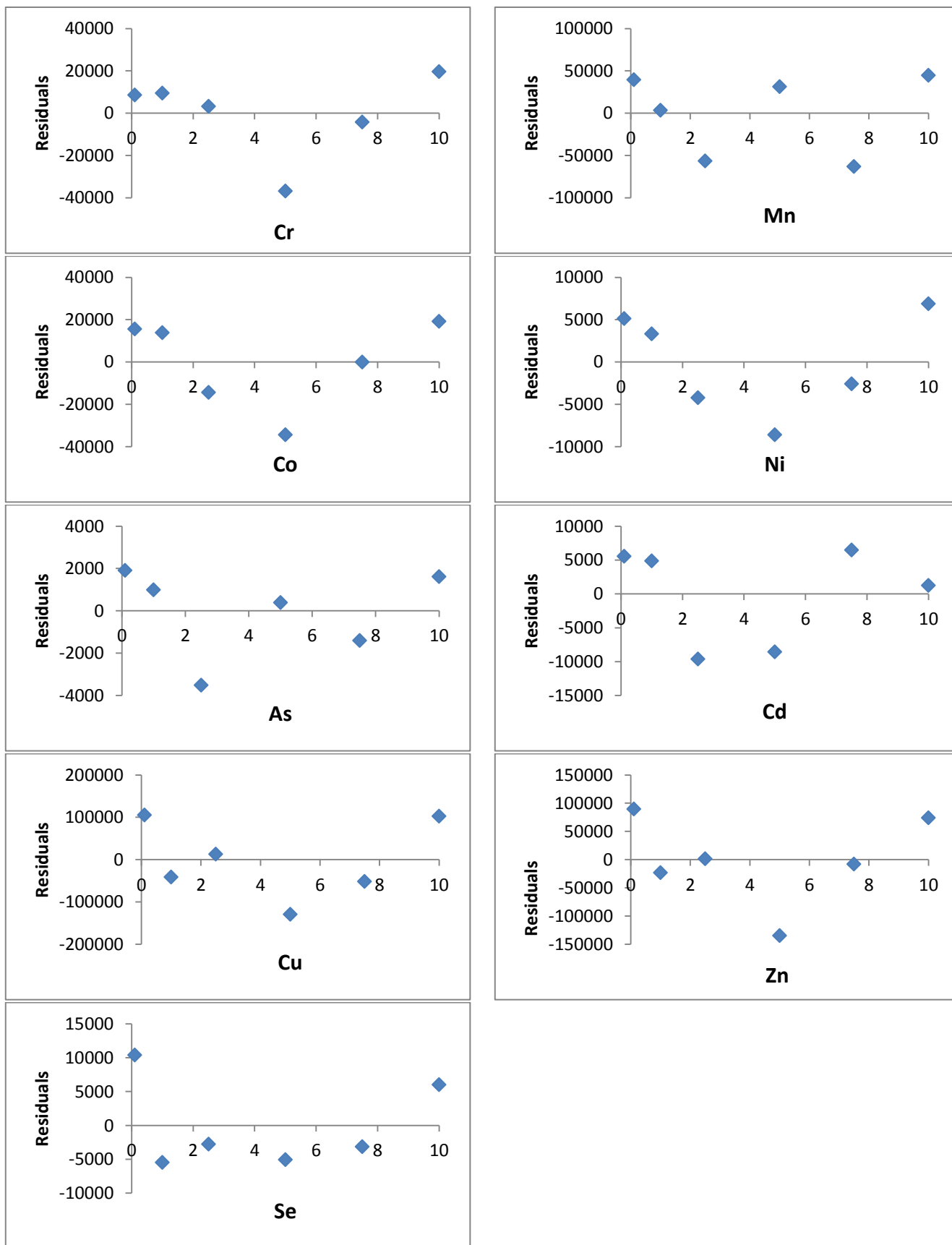
<sup>c</sup>*Institute of Public Health of Serbia "Dr Milan Jovanovic Batut", Belgrade, Serbia*

<sup>d</sup>*Blood Transfusion Institute, Belgrade, Serbia*

#### **Content**

**Figure S1.** Plots of residuals for linear regression model versus predicted values

**Table S1.** The *F*-value of the Lack-of-fit (**LOF**) test and coefficient of determination (**R**<sup>2</sup>) for linear (**LRM**) and quadratic regression model (**QRM**)



**Figure S1.** Plots of residuals for linear regression model versus predicted values

**Table S1.** The  $F$ -value of the Lack-of-fit ( $LOF$ ) test and coefficient of determination ( $R^2$ ) for linear ( $LRM$ ) and quadratic regression model ( $QRM$ ) obtained for investigated calibration curves

	<b>LRM</b>		<b>QRM</b>	
	$LOF^a$	$R^2$	$LOF^b$	$R^2$
<b>Cr</b>	3.995	0.9980	0.321	0.9994
<b>Mn</b>	1.528	0.9968	0.938	0.9978
<b>Co</b>	0.561	0.9985	0.181	0.9998
<b>Ni</b>	0.649	0.9972	0.034	0.9999
<b>As</b>	0.297	0.9989	0.021	0.9994
<b>Cd</b>	0.138	0.9983	0.089	0.9989
<b>Cu</b>	1.029	0.9949	0.379	0.9999
<b>Zn</b>	1.342	0.9874	0.173	0.9988
<b>Se</b>	0.313	0.9975	0.207	0.9995

<sup>a</sup>  $F_{cr, 95\%} = 4.534$

<sup>b</sup>  $F_{cr, 95\%} = 4.757$