

Supplementary Materials: Comparative Study of Natural Antioxidants from *Glycine Max*, *Anethum Graveolens* and *Pimpinella Anisum* Seeds and Sprouts Extracts Obtained by Ultrasound-Assisted Extraction

Fanica Balanescu^{1,2}, Anna Cazanevscaia Busuioc^{1,*}, Andreea Veronica Dedi Botezatu¹, Steluta Gosav¹, Sorin Marius Avramescu^{3,4}, Bianca Furdul^{1*} and Rodica Mihaela Dinica^{1*}

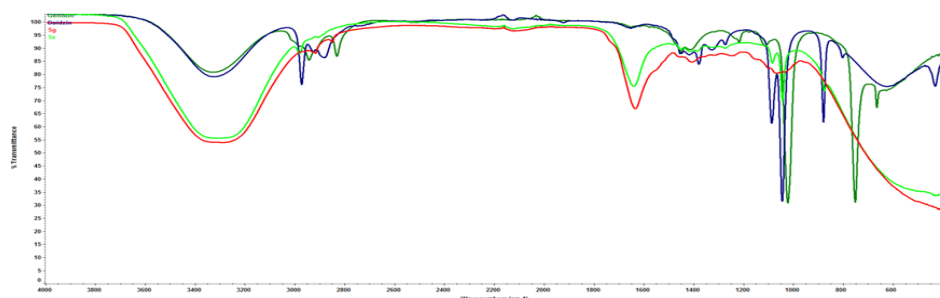
¹ Department of Chemistry, Physics and Environment, “Dunărea de Jos” University of Galati, 111 Domnească Street, 800201 Galati, Romania; email: anna.cazanevscaia@ugal.ro (A.C.B.); andreea.botezatu@ugal.ro (A.V.D.B.); rodica.dinica@ugal.ro (R.M.D.); bfurdui@ugal.ro (B.F.); steluta.gosav@ugal.ro (S.G.)

² Faculty of Medicine and Pharmacy, “Dunărea de Jos” University of Galati, 35 Al. I. Cuza Street, 800010 Galati, Romania; fanica.balanescu@ugal.ro (F.B.)

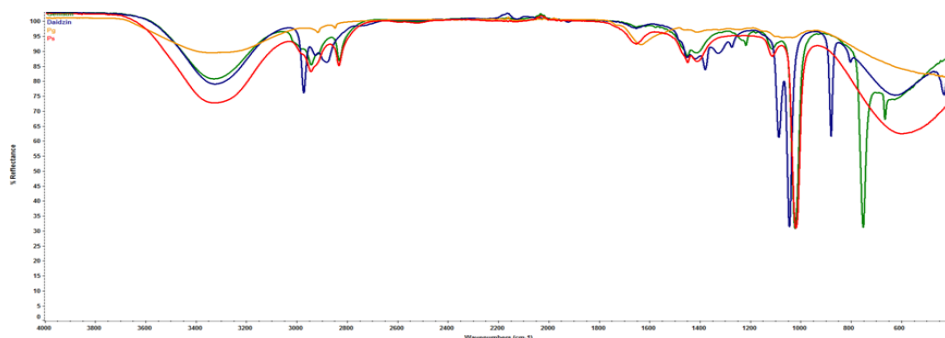
³ Faculty of Chemistry, Department of Organic Chemistry, Biochemistry and Catalysis, University of Bucharest, 90-92 Panduri Street, 050663, Bucharest, Romania. sorin_avramescu@yahoo.com (S.M.A.);

⁴ Research Center for Environmental Protection and Waste Management, University of Bucharest, 91-95 Splaiul Independentei, 050095, Bucharest, Romania;

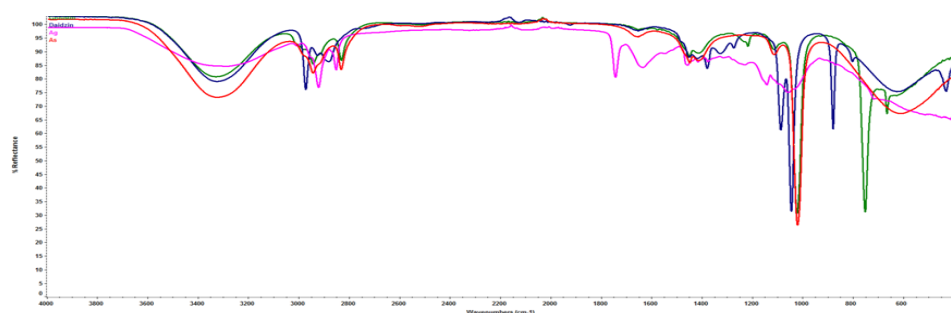
* Correspondence: rodica.dinica@ugal.ro (R.M.D.); bfurdui@ugal.ro (B.F.); anna.cazanevscaia@ugal.ro (A.C.B.)



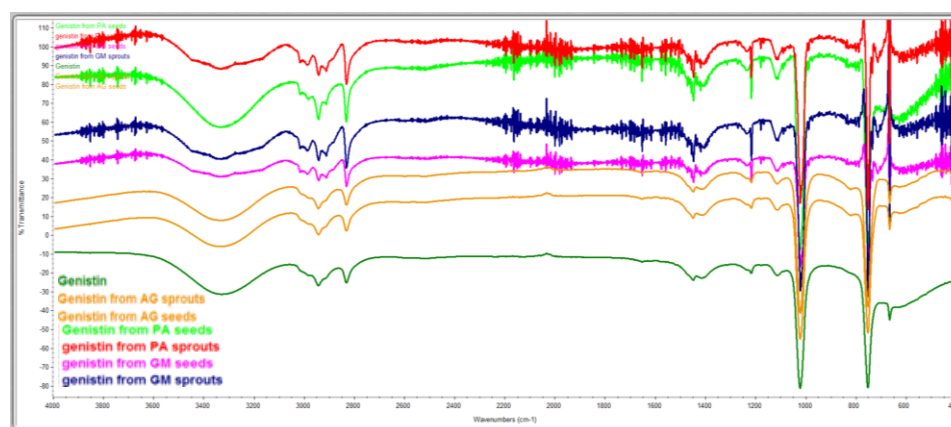
a)



b)



c)



d)

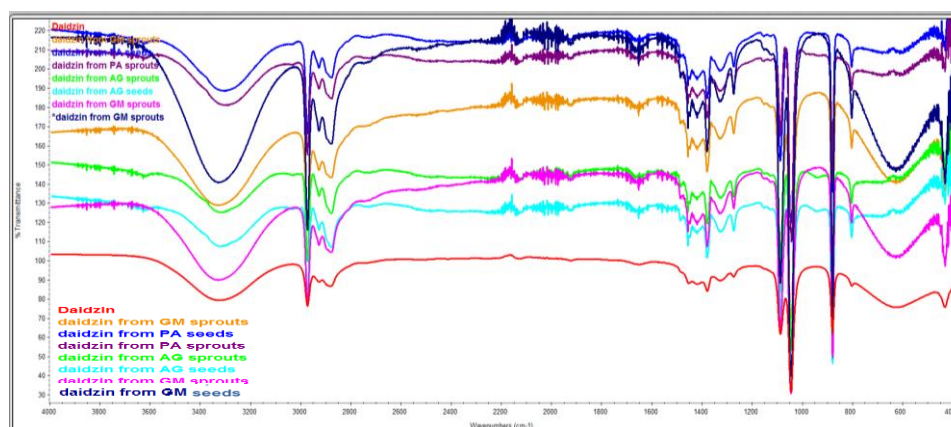


Figure S1. Overlaid FTIR spectra for pure daidzein (D) and genistein (G) and the analyzed samples: a) seeds and sprouts of *G. max* (GMsd, GMsp); b) seeds and sprouts of *P. anisum* (PAsd,PAsp); c) seeds and sprouts of *A. graveolens* (AGsd, AGsp); d) genistein and e) daidzein FTIR analysis for the pure compounds (Sigma Aldrich) and for the compounds isolated through PTLC.