

Chemical Composition and Biological Properties of New Romanian *Lavandula* species

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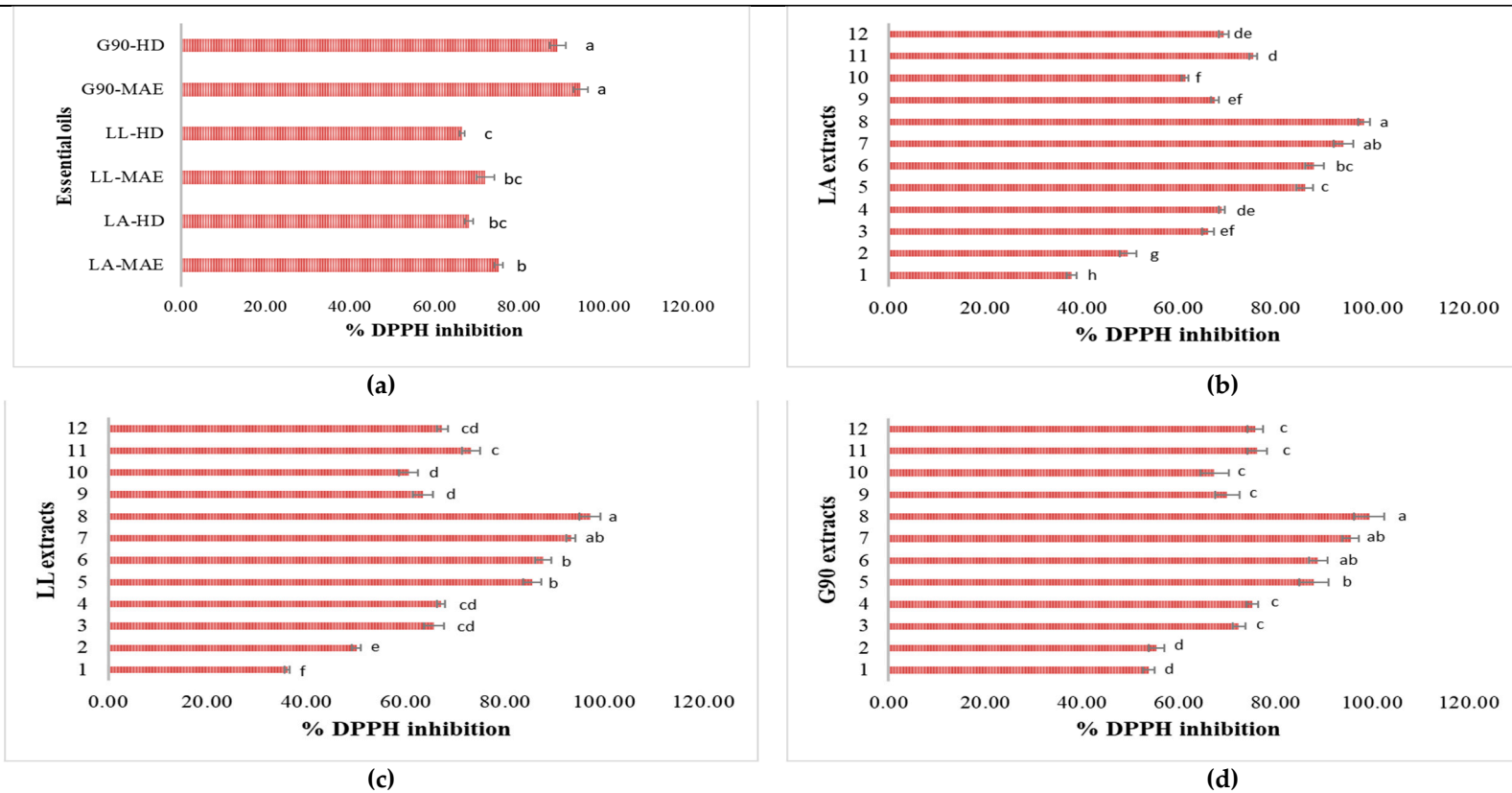


Figure S1. DPPH antioxidant potential expressed as inhibition percent of (a) LA, LL and G90 essential oils and (b) LA, (c) LL and (d) G90 hydroalcoholic extracts. LA-MAE - *L. angustigolia* MAE essential oil, LA-HD - *L. angustigolia* HD essential oil, LL-MAE - *L. latifolia* MAE essential oil, LL-HD - *L. latifolia* HD essential oil, G90-MAE - *George 90* MAE essential oil and G90-HD - *George 90* HD essential oil. 1 – EtOH 50%, plant material/solvent ratio at 1:20 (m/v), G1 coarse-sized plant material; 2 – EtOH 50%, plant material/solvent ratio at 1:20 (m/v), G2 fine-sized plant material; 3 – EtOH 50%, plant material/solvent ratio at 1:40 (m/v), G1 coarse-sized plant material; 4 – EtOH 50%, plant material/solvent ratio at 1:40 (m/v), G2 fine-sized plant material; 5 – EtOH 70%, plant material/solvent ratio at 1:20 (m/v), G1 coarse-sized plant material; 6 – EtOH 70%, plant material/solvent ratio at 1:20 (m/v), G2 fine-sized plant material; 7 – EtOH 70%, plant material/solvent ratio at 1:40 (m/v), G1 coarse-sized plant material; 8 – EtOH 70%, plant material/solvent ratio at 1:40 (m/v), G2 fine-sized plant material; 9 – MeOH 50%, plant material/solvent ratio at 1:20 (m/v), G1 coarse-sized plant material; 10 – MeOH 50%, plant material/solvent ratio at 1:20 (m/v), G2 fine-sized plant material; 11 – MeOH 50%, plant material/solvent ratio at 1:40 (m/v), G1 coarse-sized plant material; 12 – MeOH 50%, plant material/solvent ratio at 1:40 (m/v), G2 fine-sized plant material. Values are presented as means \pm SD, $n = 3$ per treatment group. Data without a common superscript letter differ ($P < 0.05$) as analyzed by one-way ANOVA and the TUKEY test.

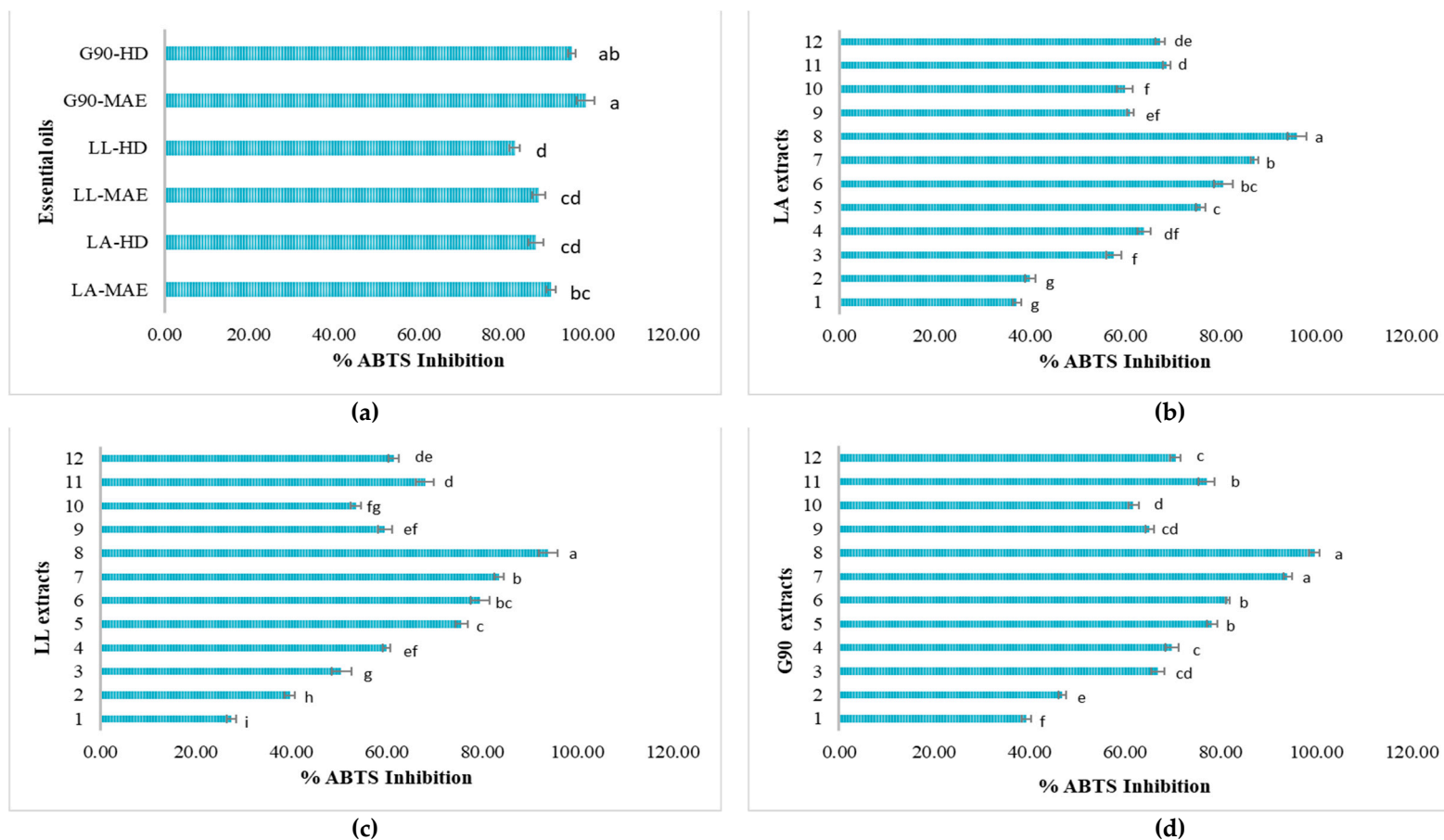
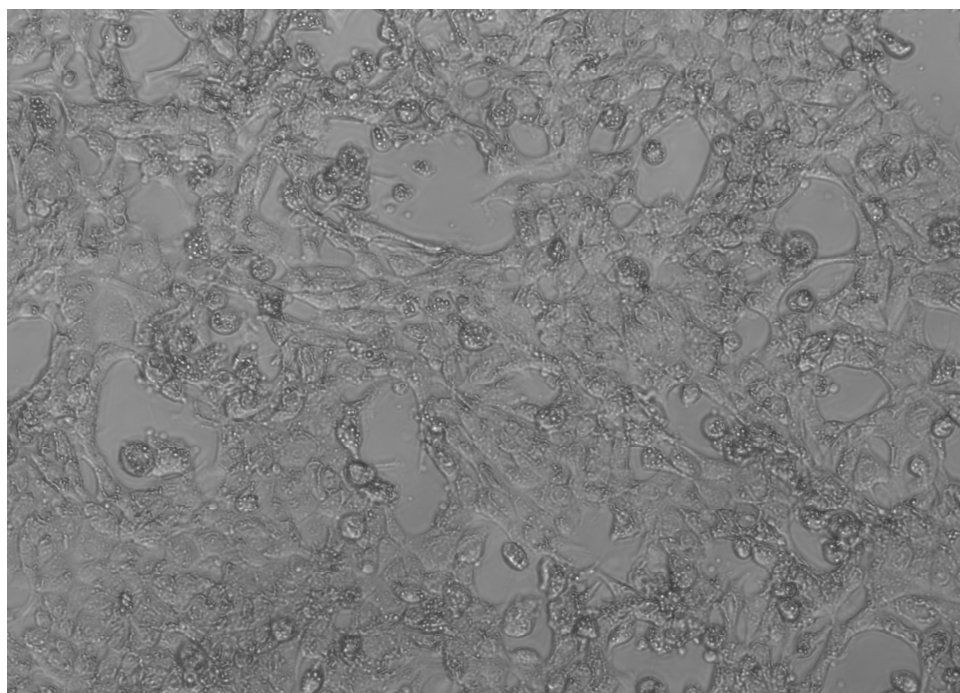
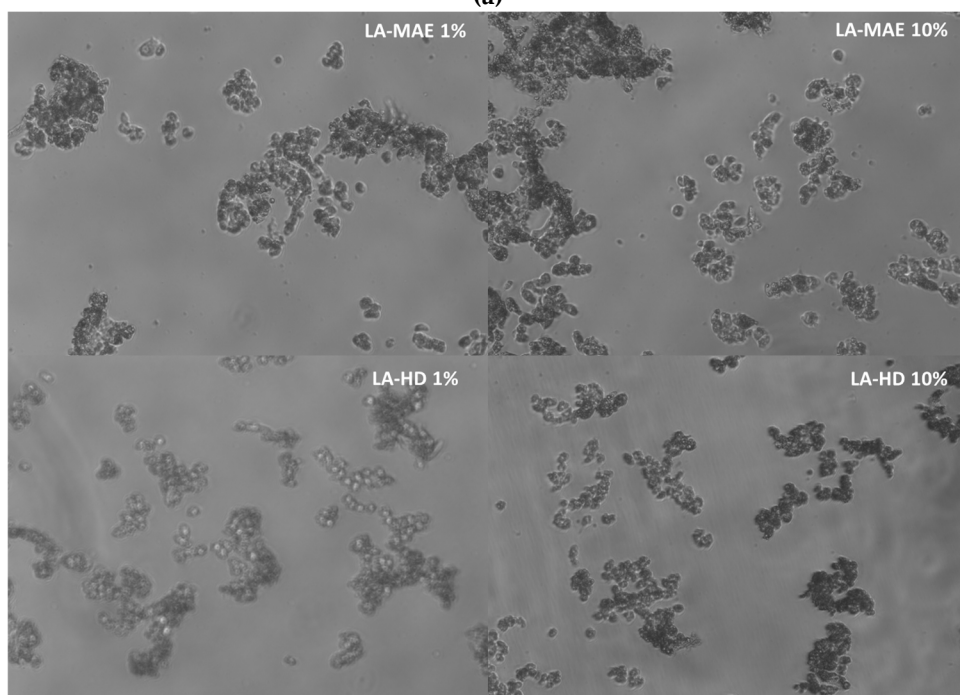


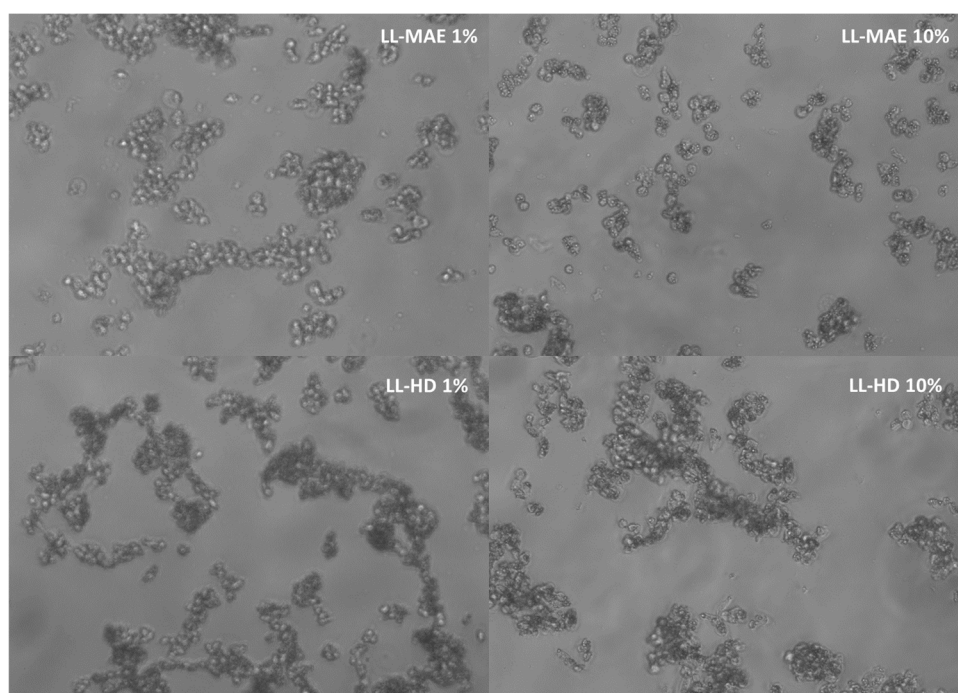
Figure S2. ABTS antioxidant potential expressed as inhibition percent of (a) LA, LL and G90 essential oils and (b) LA, (c) LL and (d) G90 hydroalcoholic extracts. LA-MAE - *L. angustigolia* MAE essential oil, LA-HD - *L. angustigolia* HD essential oil, LL-MAE - *L. latifolia* MAE essential oil, LL-HD - *L. latifolia* HD essential oil, G90-MAE - *George 90* MAE essential oil and G90-HD - *George 90* HD essential oil. 1 – EtOH 50%, plant material/solvent ratio at 1:20 (m/v), G1 coarse-sized plant material; 2 – EtOH 50%, plant material/solvent ratio at 1:20 (m/v), G2 fine-sized plant material; 3 – EtOH 50%, plant material/solvent ratio at 1:40 (m/v), G1 coarse-sized plant material; 4 – EtOH 50%, plant material/solvent ratio at 1:40 (m/v), G2 fine-sized plant material; 5 – EtOH 70%, plant material/solvent ratio at 1:20 (m/v), G1 coarse-sized plant material; 6 – EtOH 70%, plant material/solvent ratio at 1:20 (m/v), G2 fine-sized plant material; 7 – EtOH 70%, plant material/solvent ratio at 1:40 (m/v), G1 coarse-sized plant material; 8 – EtOH 70%, plant material/solvent ratio at 1:40 (m/v), G2 fine-sized plant material; 9 – MeOH 50%, plant material/solvent ratio at 1:20 (m/v), G1 coarse-sized plant material; 10 – MeOH 50%, plant material/solvent ratio at 1:20 (m/v), G2 fine-sized plant material; 11 – MeOH 50%, plant material/solvent ratio at 1:40 (m/v), G1 coarse-sized plant material; 12 – MeOH 50%, plant material/solvent ratio at 1:40 (m/v), G2 fine-sized plant material. Values are presented as means \pm SD, $n = 3$ per treatment group. Data without a common superscript letter differ ($P < 0.05$) as analyzed by one-way ANOVA and the TUKEY test.



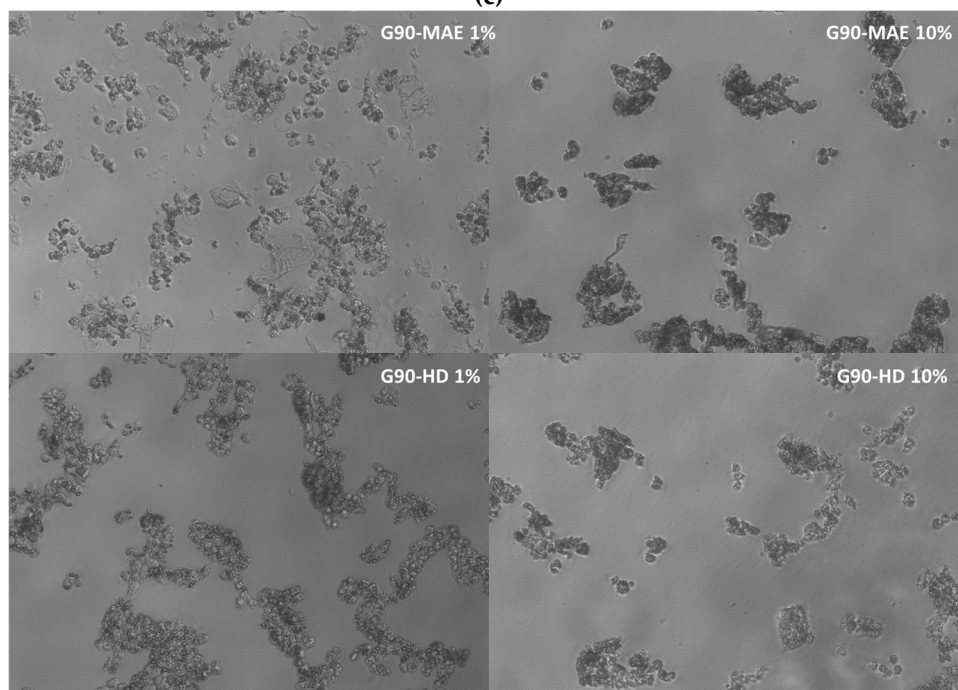
(a)



(b)



(c)



(d)

Figure S3. Cell morphological changes induced by the (a) negative control, (b) LA, (c) LL and (d) G90 essential oils.