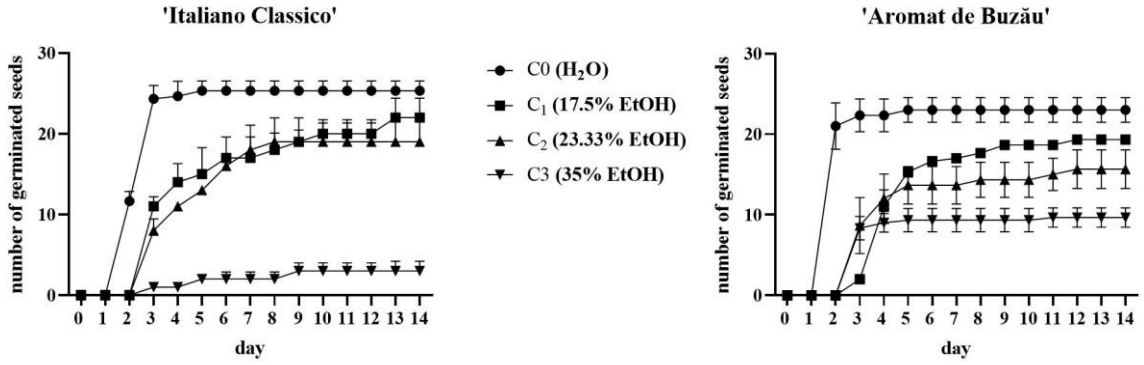
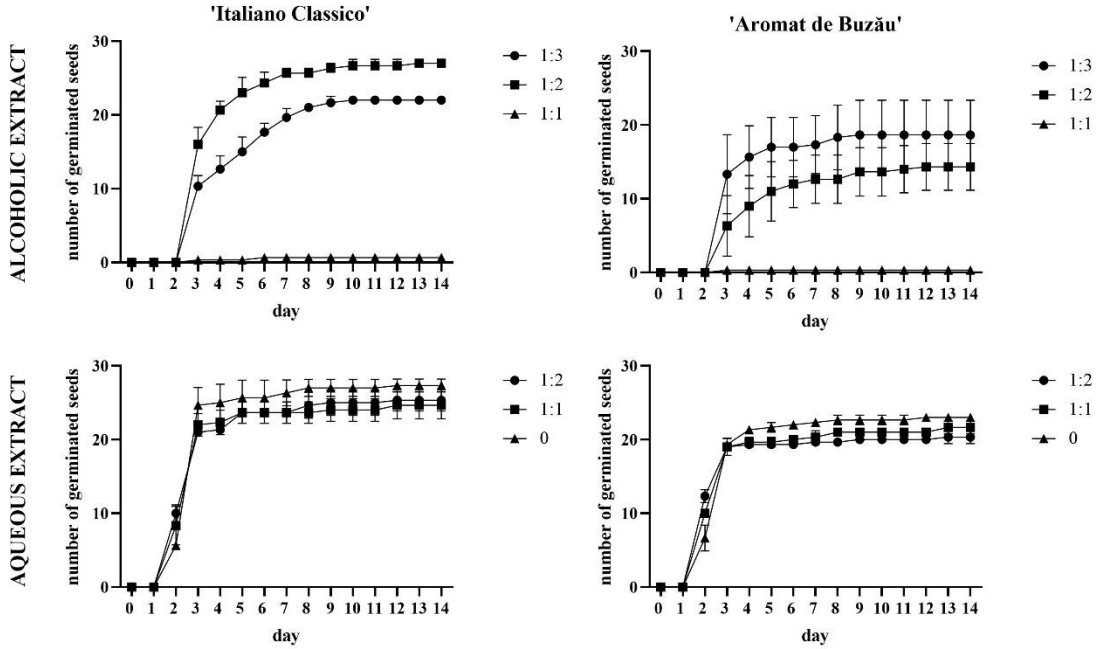
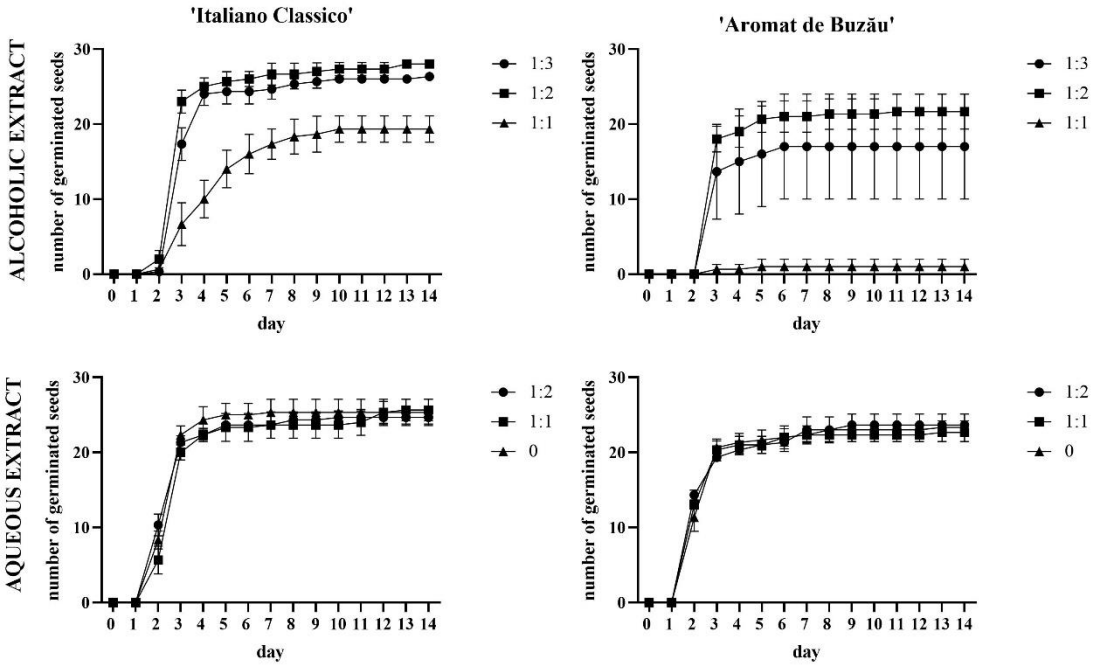
Cite this article: Moroșan IC, Zamfirache MM, Ivănescu LC. The hysteranthous defence: How phenology and organ-specific chemistry shape the allelopathic potential of *Colchicum autumnale* L. Plant Science Today (Early Access). https://doi.org/10.14719/pst.12592



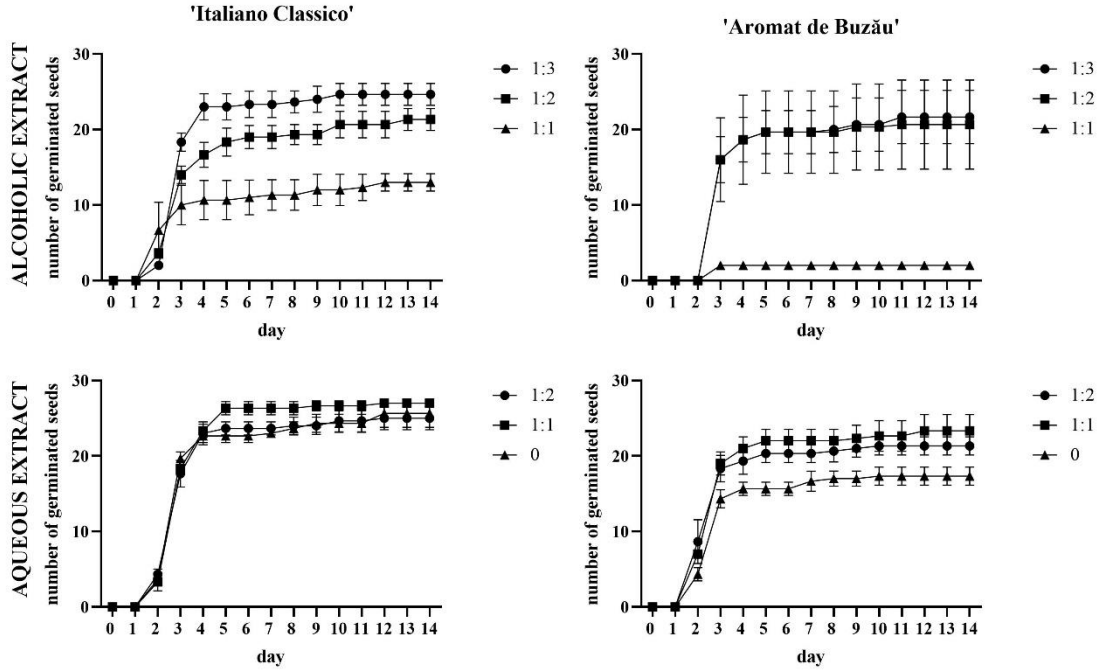
Supplementary Fig. 1. Germination curve of *Ocimum basilicum* seeds, cultivars 'Italiano Classico' and 'Aromat de Buzău' after treatment with H_2O (C_0) or EtOH (C_1, C_2, C_3) – control variants.



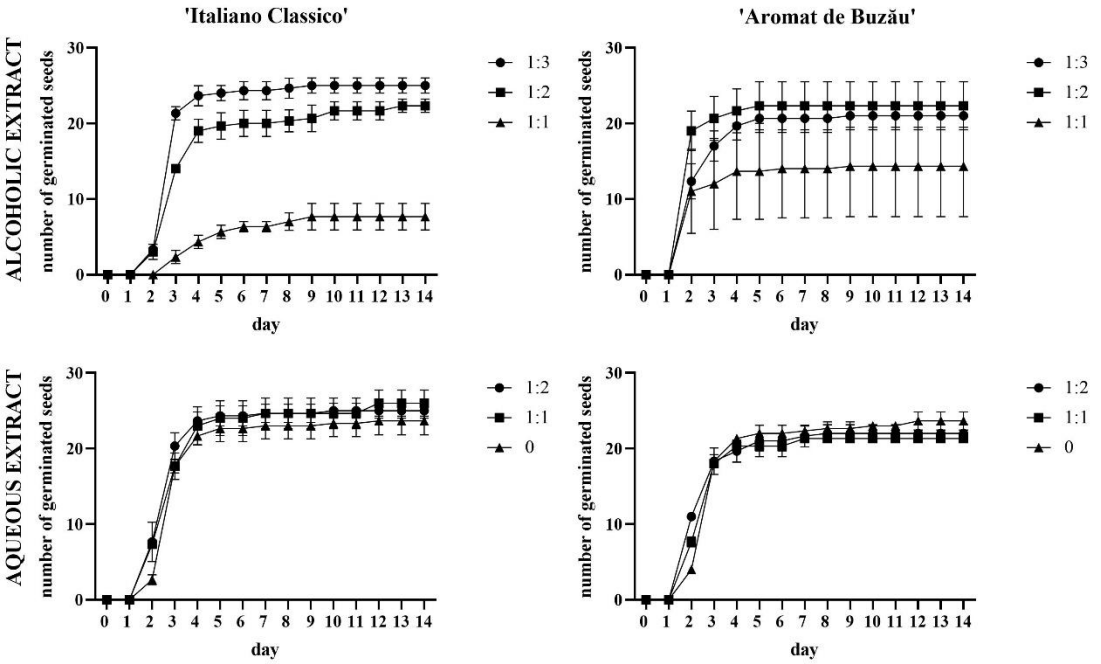
Supplementary Fig. 2. Germination curve of *Ocimum basilicum* seeds, cultivars 'Italiano Classico' and 'Aromat de Buzău' after treatment with hydroalcoholic and aqueous extracts prepared from *Colchicum autumnale* (mother) corms collected in spring/growth stage.



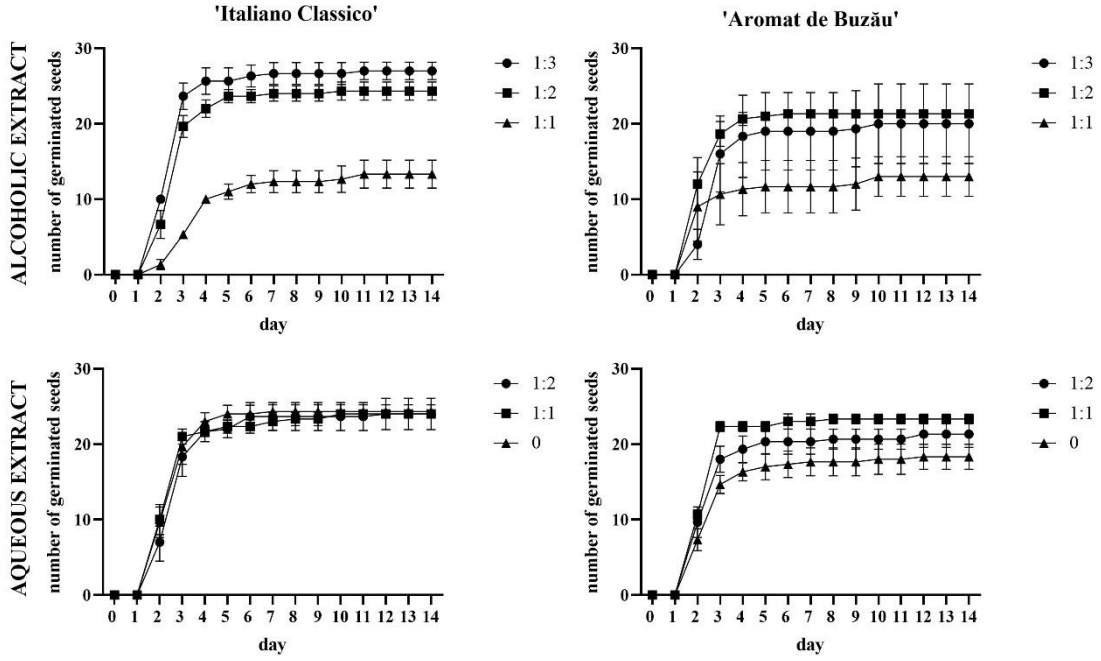
Supplementary Fig. 3. Germination curve of *Ocimum basilicum* seeds, cultivars 'Italiano Classico' and 'Aromat de Buzău' after treatment with hydroalcoholic and aqueous extracts prepared from *Colchicum autumnale* developing leaves collected in spring/growth stage.



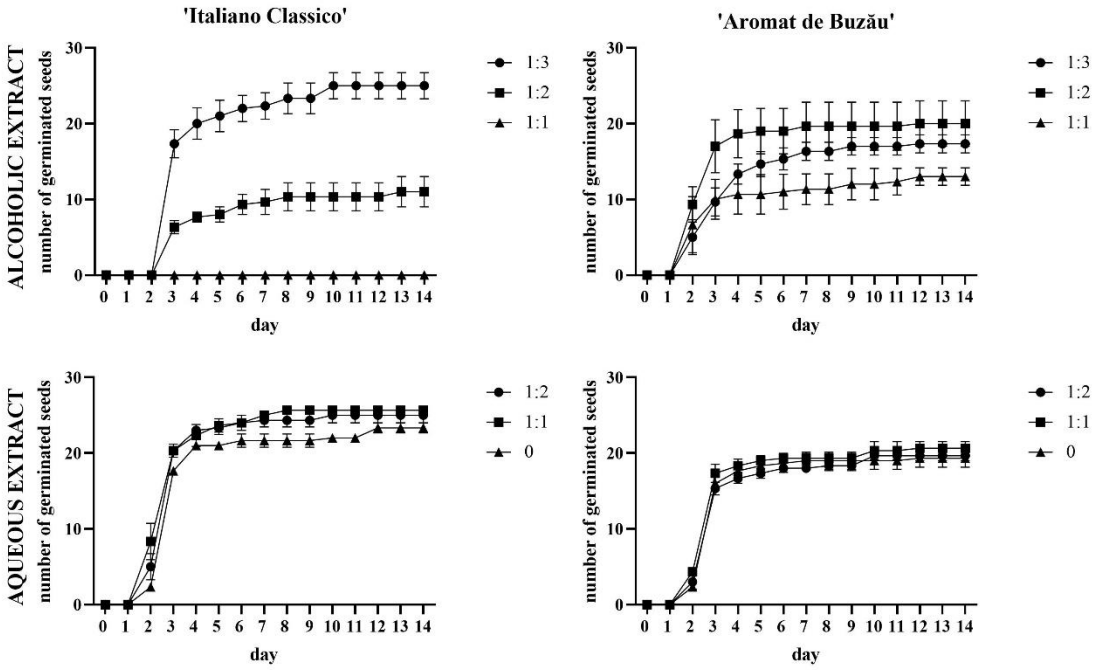
Supplementary Fig. 4. Germination curve of *Ocimum basilicum* seeds, cultivars 'Italiano Classico' and 'Aromat de Buzău' after treatment with hydroalcoholic and aqueous extracts prepared from *Colchicum autumnale* developing capsules collected in spring/growth stage.



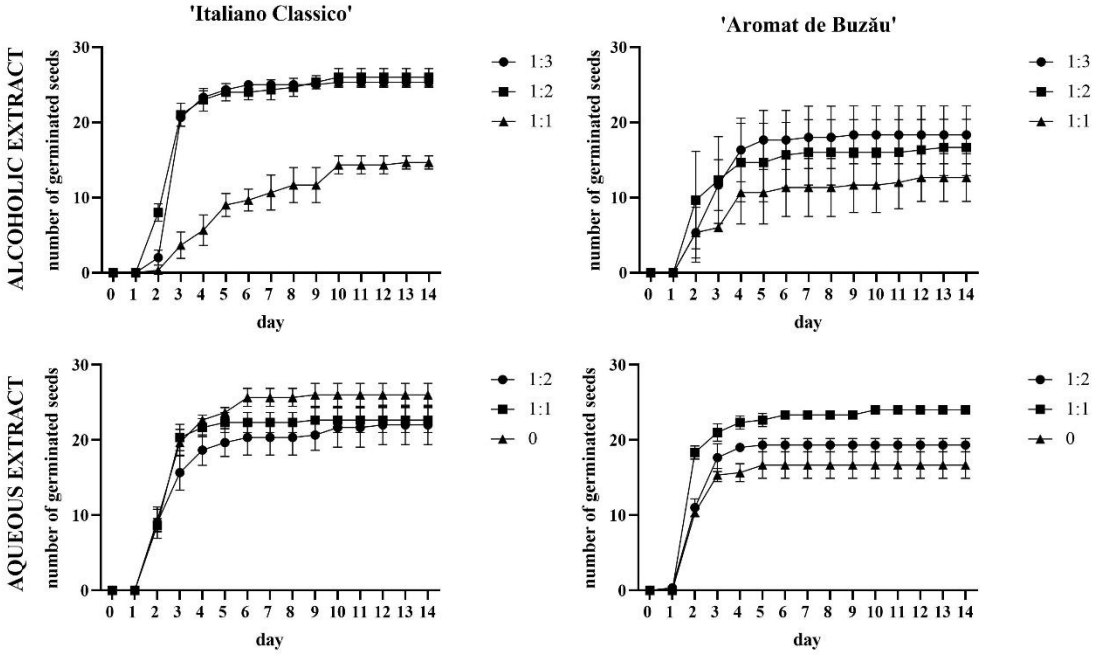
Supplementary Fig. 5. Germination curve of *Ocimum basilicum* seeds, cultivars 'Italiano Classico' and 'Aromat de Buzău' after treatment with hydroalcoholic and aqueous extracts prepared from *Colchicum autumnale* senescent leaves collected in summer/fruiting stage.



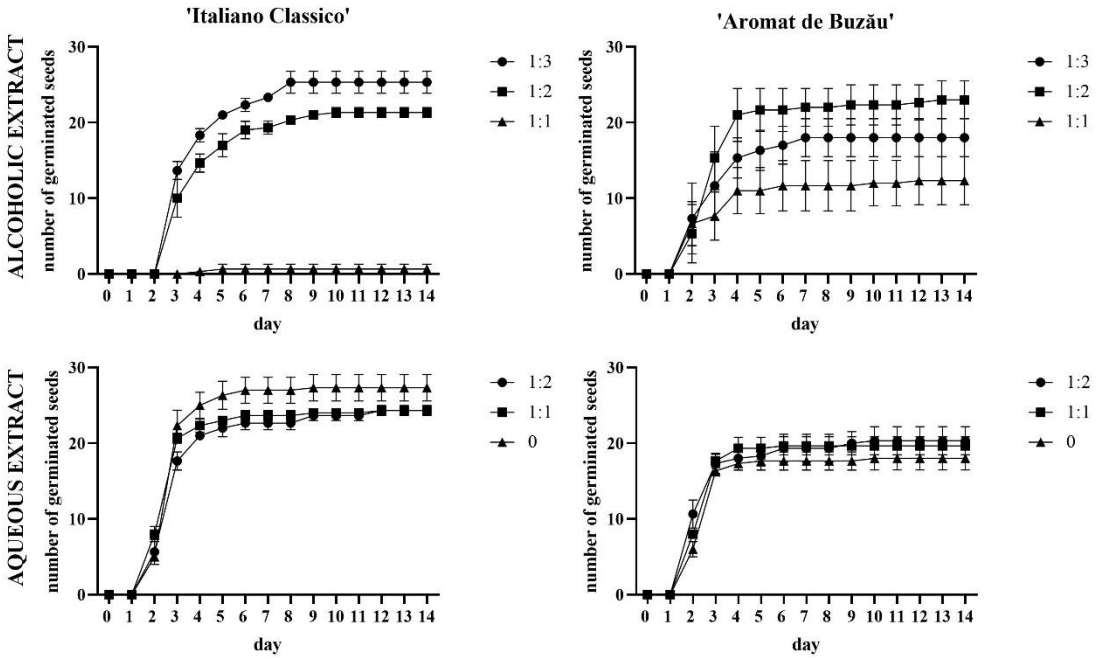
Supplementary Fig. 6. Germination curve of *Ocimum basilicum* seeds, cultivars 'Italiano Classico' and 'Aromat de Buzău' after treatment with hydroalcoholic and aqueous extracts prepared from *Colchicum autumnale* dehiscent capsules collected in summer/fruiting stage.



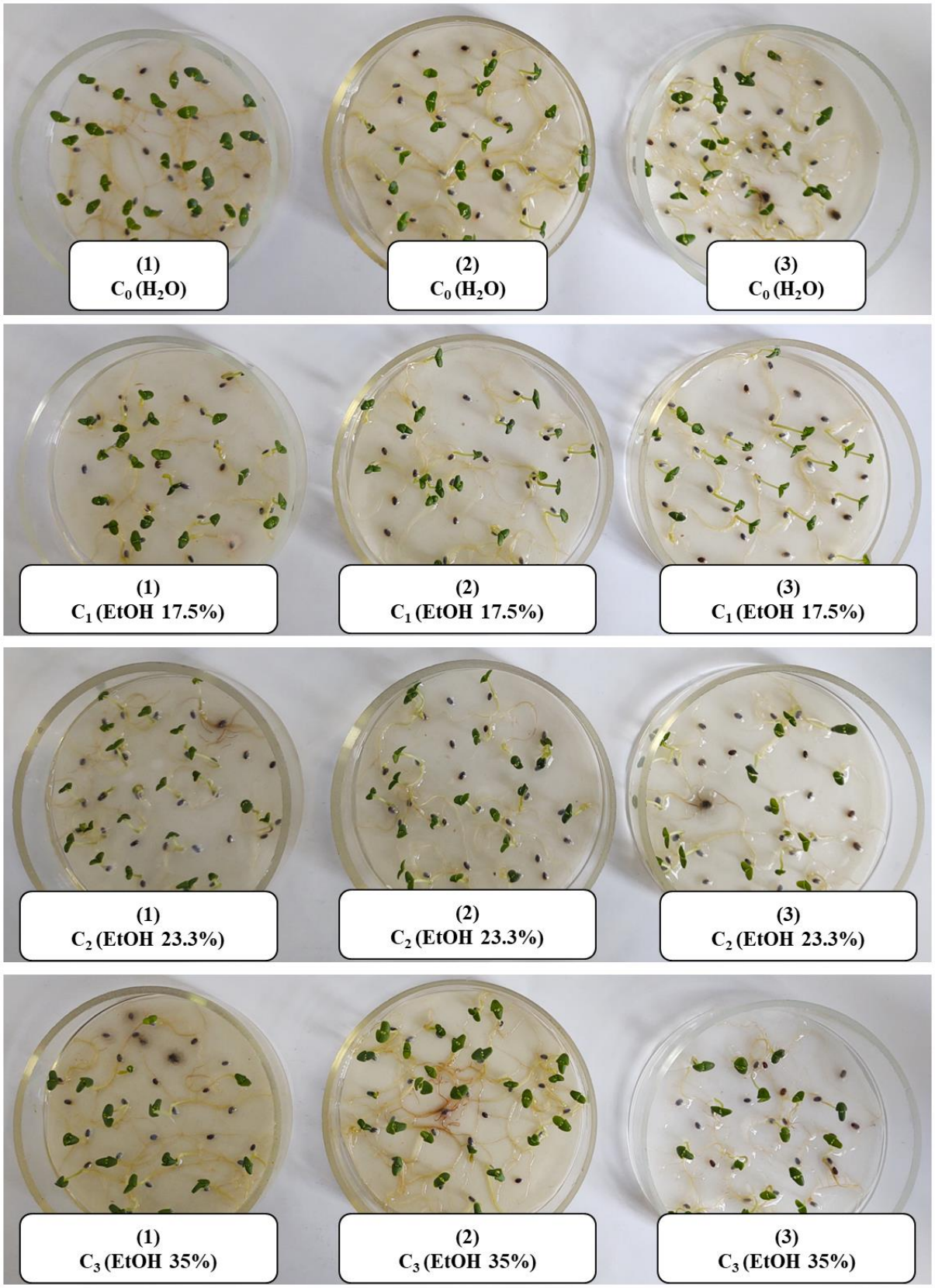
Supplementary Fig. 7. Germination curve of *Ocimum basilicum* seeds, cultivars 'Italiano Classico' and 'Aromat de Buzău' after treatment with hydroalcoholic and aqueous extracts prepared from *Colchicum autumnale* (daughter) corms collected in autumn/flowering stage.



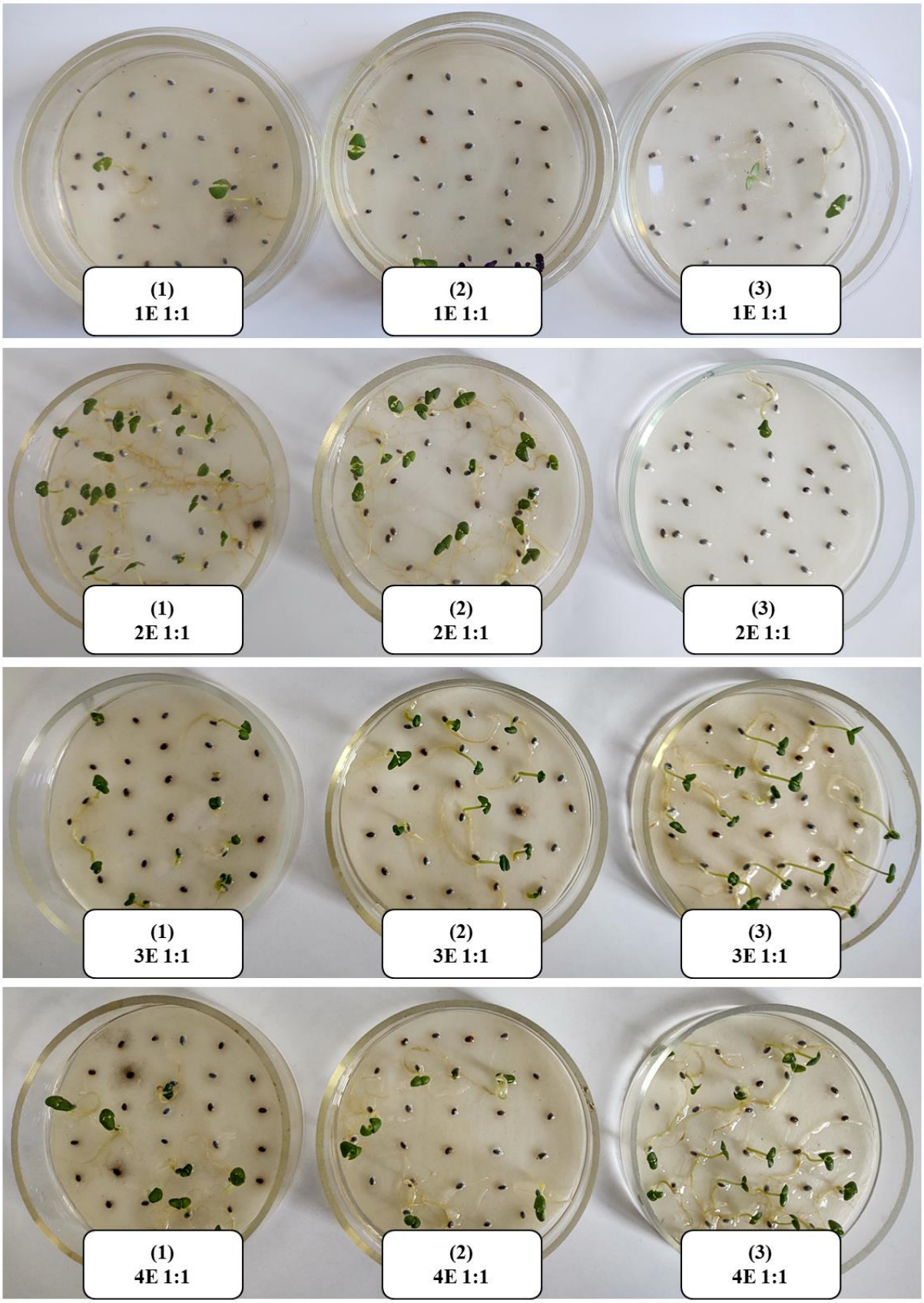
Supplementary Fig. 8. Germination curve of *Ocimum basilicum* seeds, cultivars 'Italiano Classico' and 'Aromat de Buzău' after treatment with hydroalcoholic and aqueous extracts prepared from *Colchicum autumnale* corm tunics collected in autumn/flowering stage.



Supplementary Fig. 9. Germination curve of *Ocimum basilicum* seeds, cultivars 'Italiano Classico' and 'Aromat de Buzău' after treatment with hydroalcoholic and aqueous extracts prepared from *Colchicum autumnale* flowers collected in autumn/flowering stage.

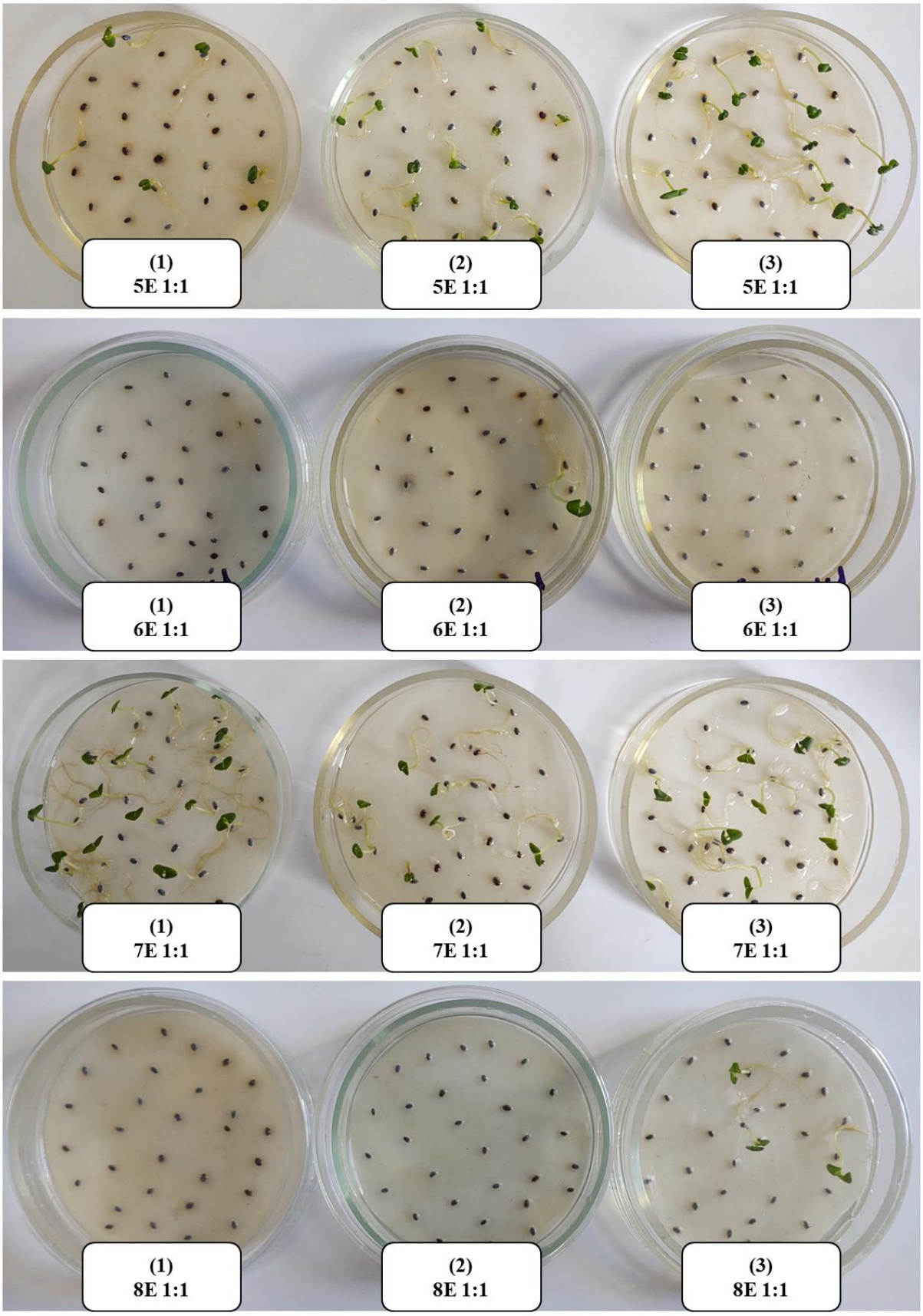


Supplementary Fig. 10. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with H_2O (C_0) or EtOH (C_1, C_2, C_3) - control variants.



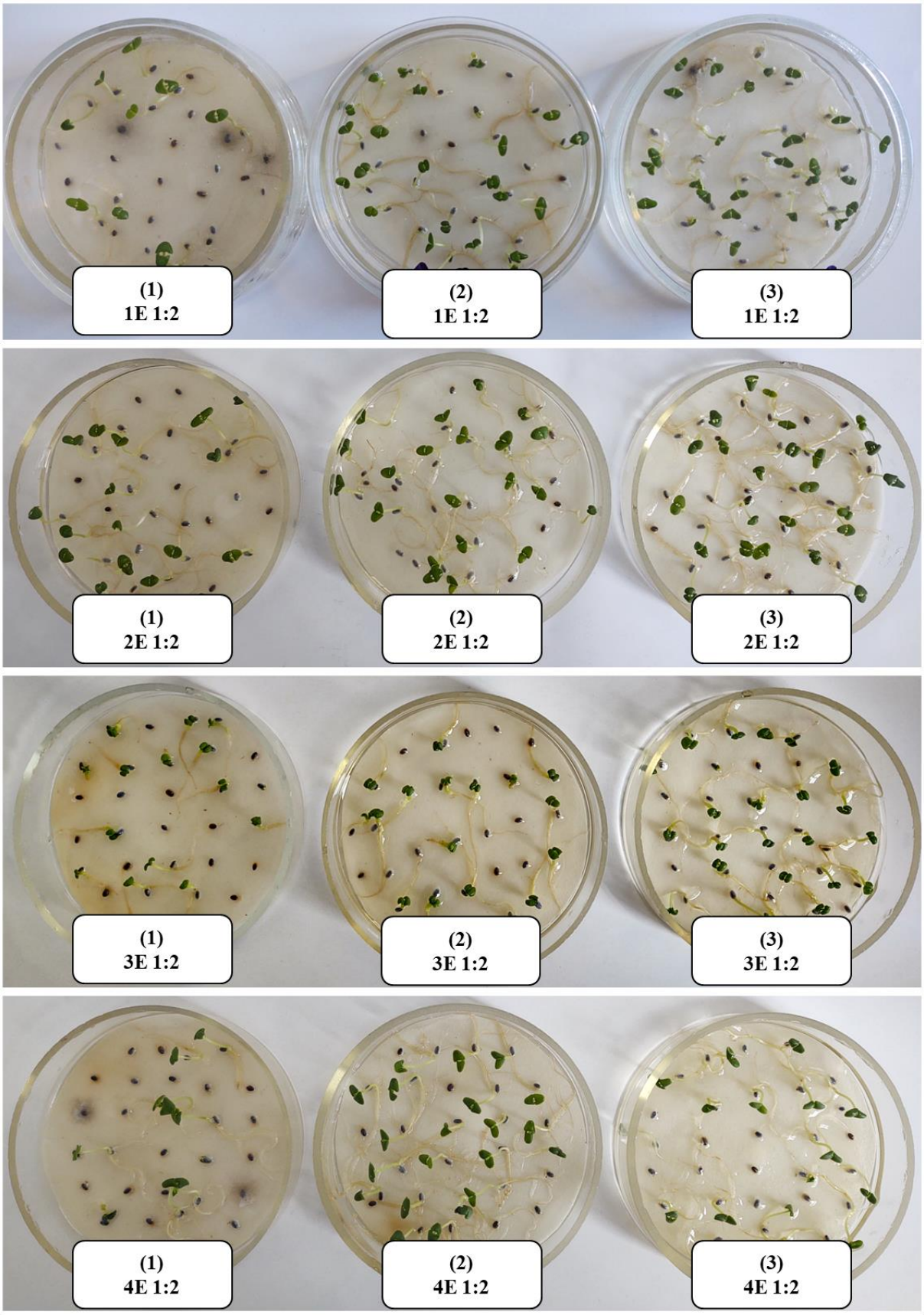
Supplementary Fig. 11. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 1: extract dilution with H_2O; 1E: hydroethanolic extract from spring (mother) corms, 2E: hydroethanolic extract from developing leaves, 3E: hydroethanolic extract from developing capsules, 4E: hydroethanolic extract from senescent leaves.



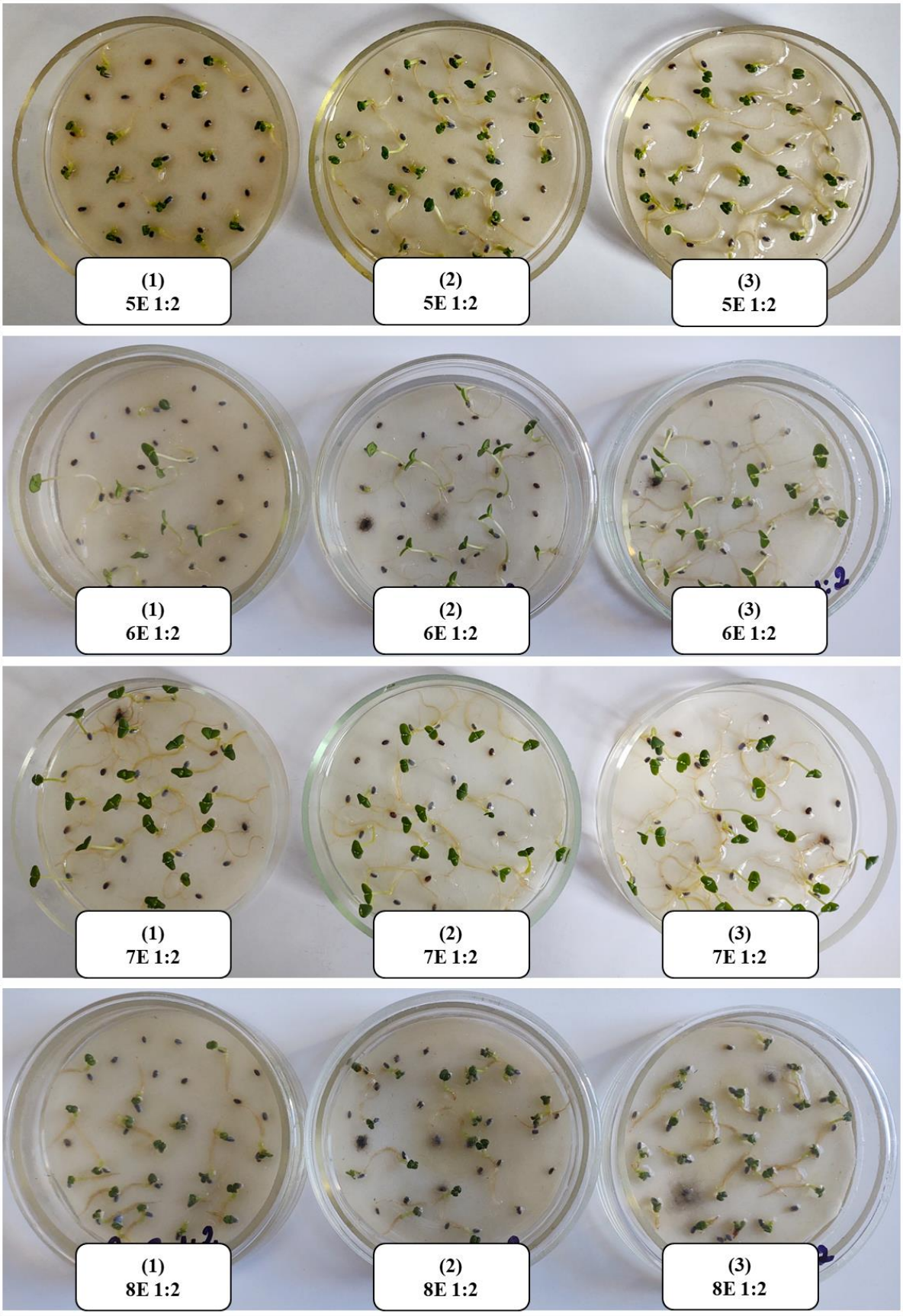
Supplementary Fig. 12. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 1: extract dilution with H_2O; 5E: hydroethanolic extract from dehiscent capsules, 6E: hydroethanolic extract from autumn (daughter) corms, 7E: hydroethanolic extract from corm tunics, 8E: hydroethanolic extract from flowers.



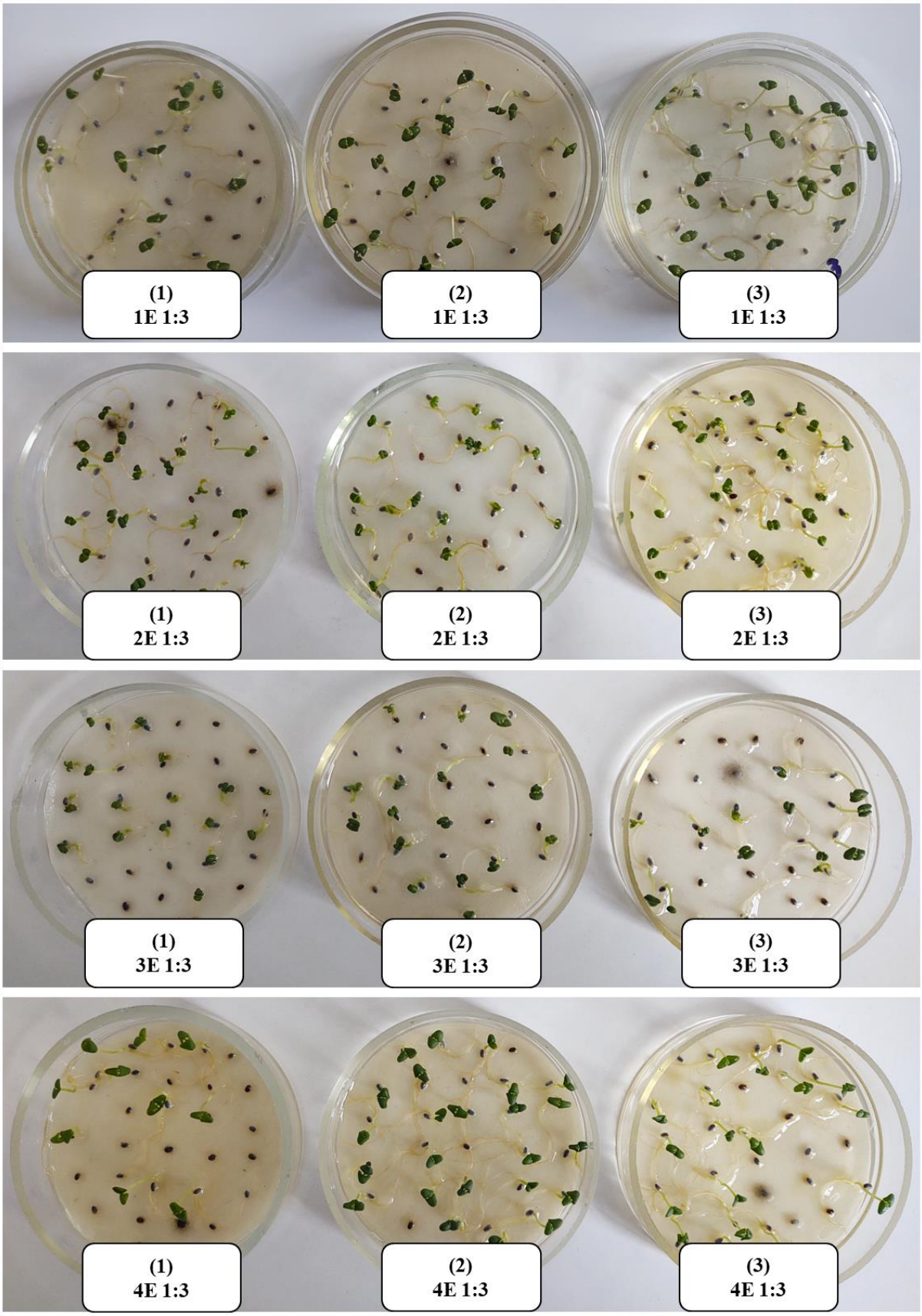
Supplementary Fig. 13. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 2: extract dilution with H_2O; 1E: hydroethanolic extract from spring (mother) corms, 2E: hydroethanolic extract from developing leaves, 3E: hydroethanolic extract from developing capsules, 4E: hydroethanolic extract from senescent leaves.



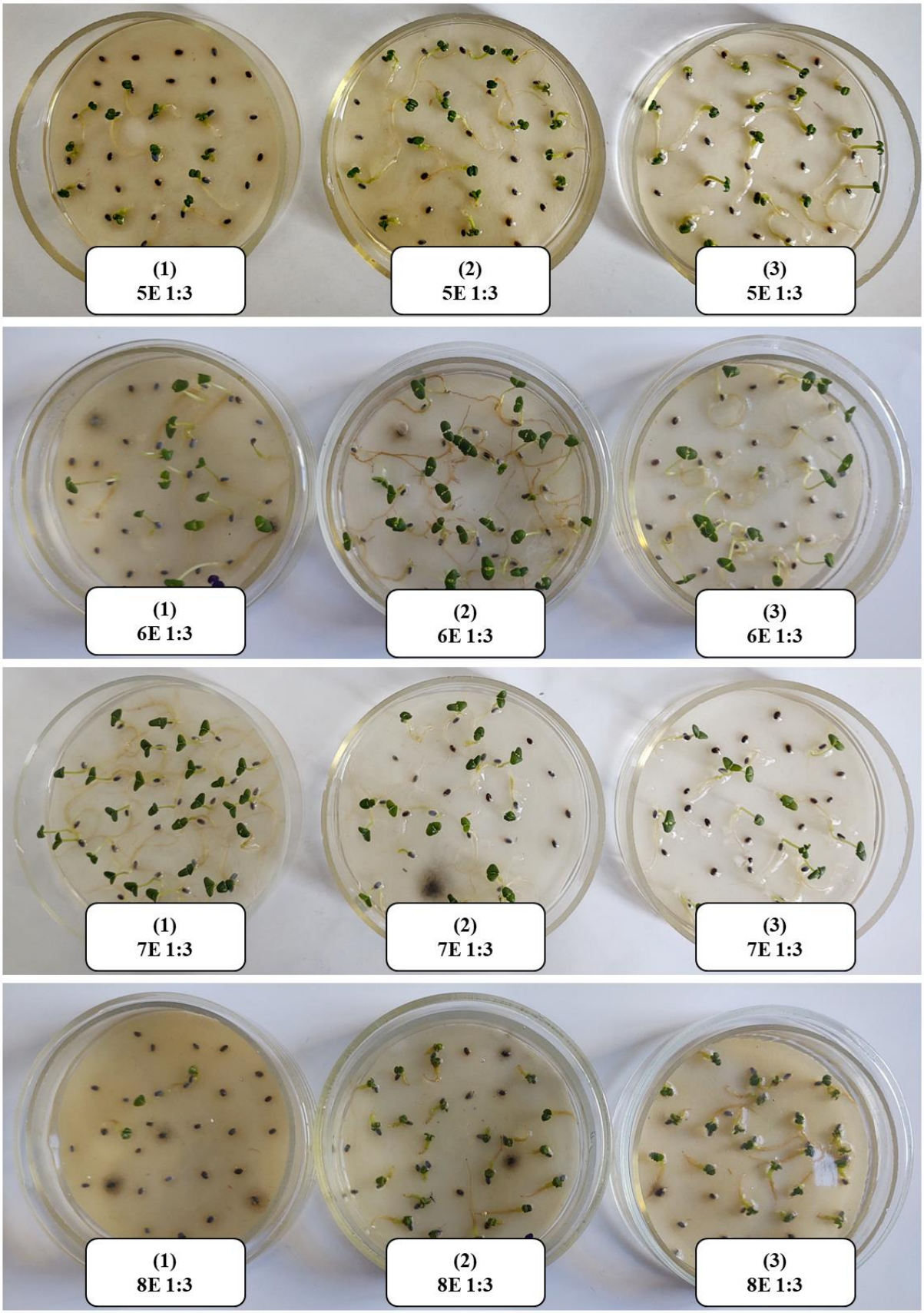
Supplementary Fig. 14. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 2: extract dilution with H_2O; 5E: hydroethanolic extract from dehiscent capsules, 6E: hydroethanolic extract from autumn (daughter) corms, 7E: hydroethanolic extract from corm tunics, 8E: hydroethanolic extract from flowers.



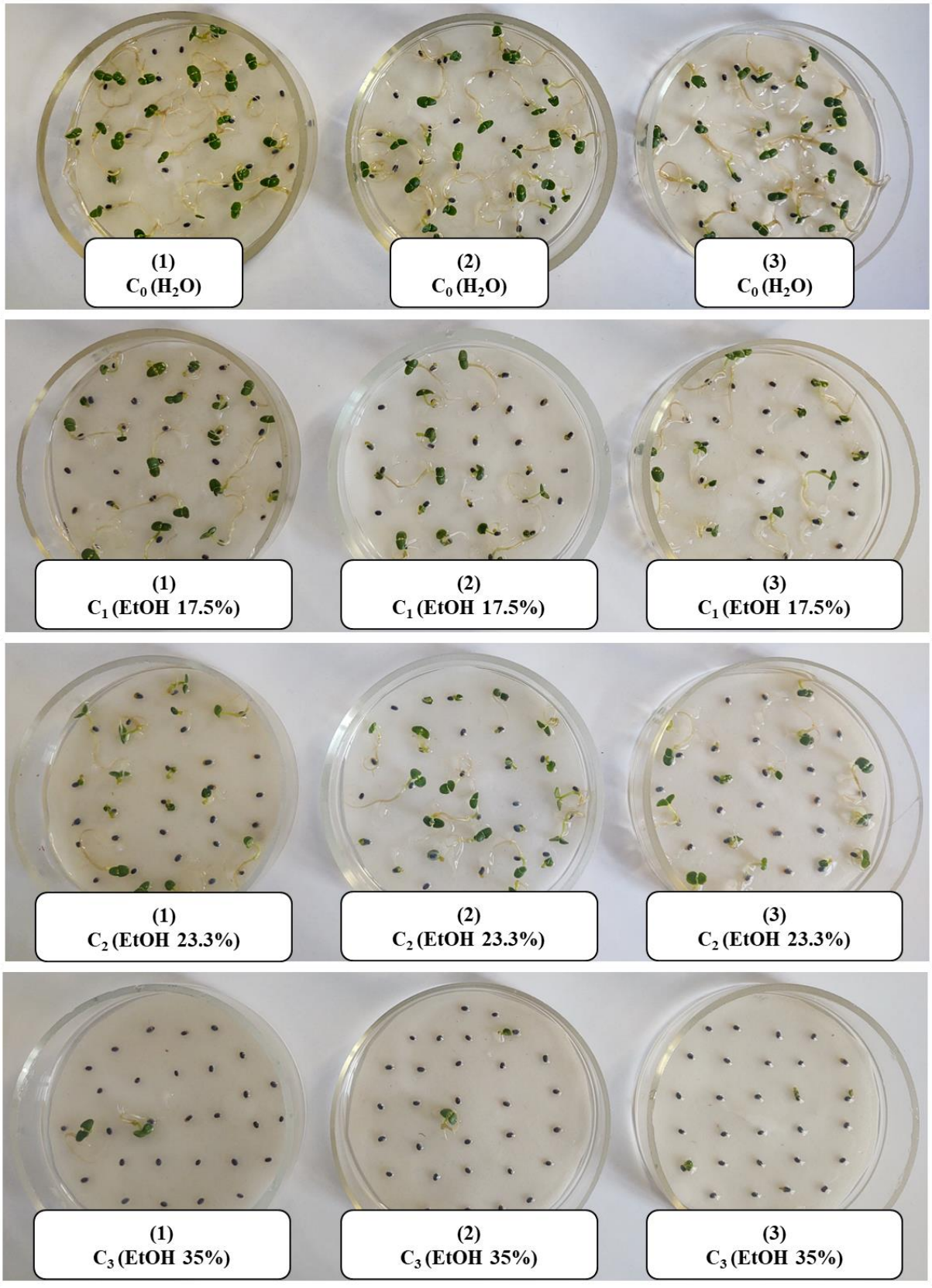
Supplementary Fig. 15. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 3: extract dilution with H_2O; 1E: hydroethanolic extract from spring (mother) corms, 2E: hydroethanolic extract from developing leaves, 3E: hydroethanolic extract from developing capsules, 4E: hydroethanolic extract from senescent leaves.

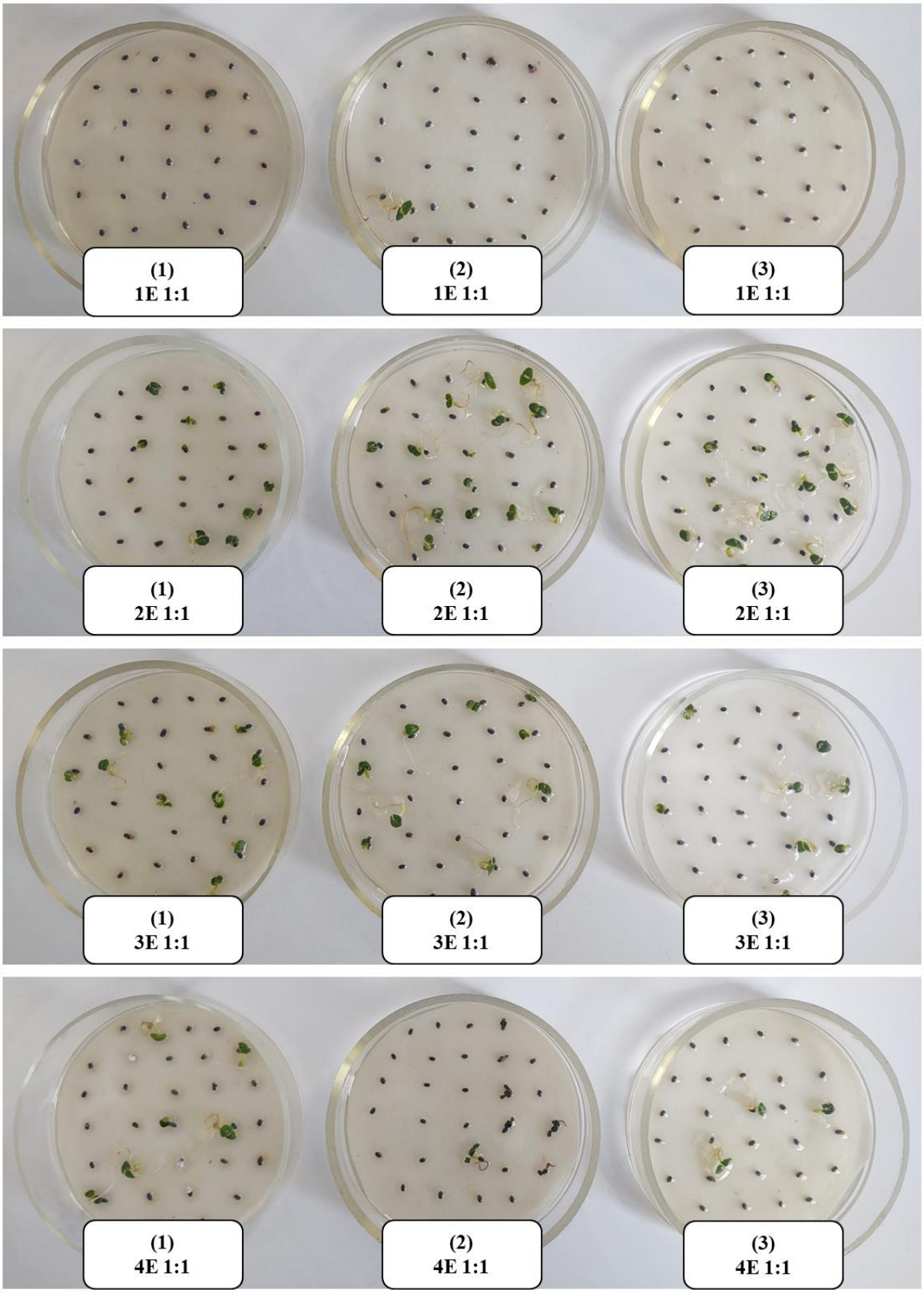


Supplementary Fig. 16. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 3: extract dilution with H_2O; 5E: hydroethanolic extract from dehiscent capsules, 6E: hydroethanolic extract from autumn (daughter) corms, 7E: hydroethanolic extract from corm tunics, 8E: hydroethanolic extract from flowers.

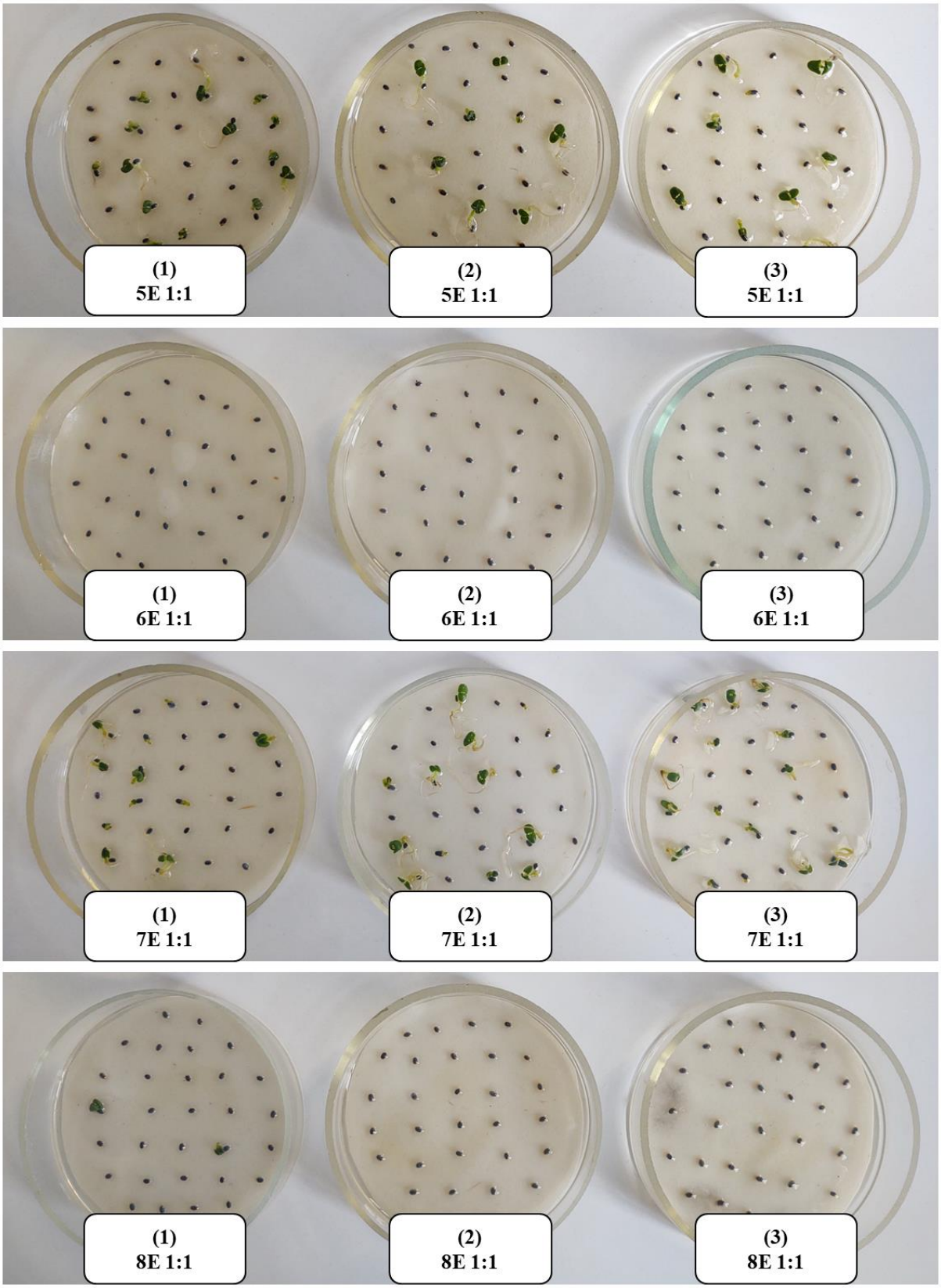


Supplementary Fig. 17. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with H_2O (C_0) or EtOH (C_1, C_2, C_3) - control variants.



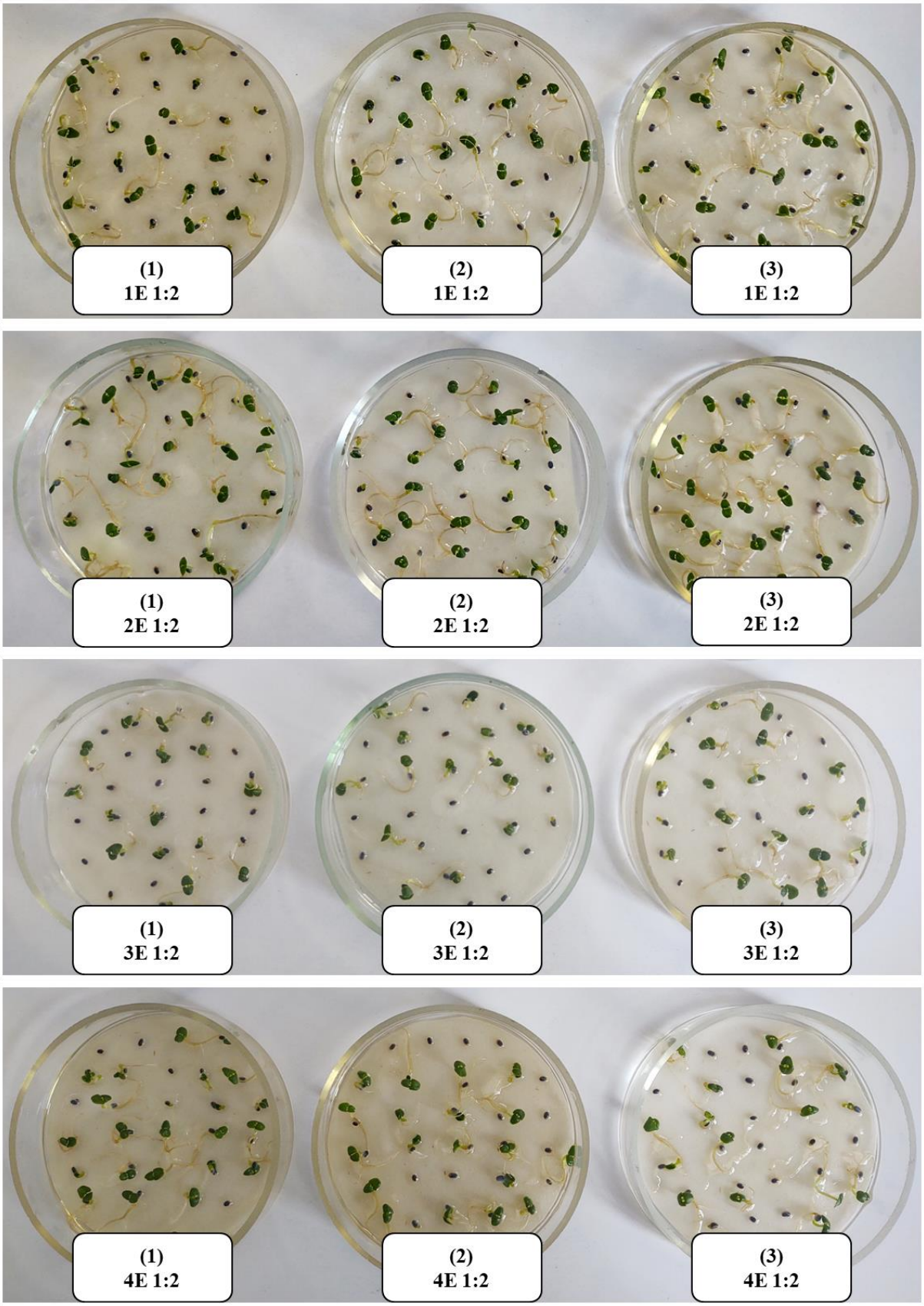
Supplementary Fig. 18. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 1: extract dilution with H_2O; 1E: hydroethanolic extract from spring (mother) corms, 2E: hydroethanolic extract from developing leaves, 3E: hydroethanolic extract from developing capsules, 4E: hydroethanolic extract from senescent leaves.



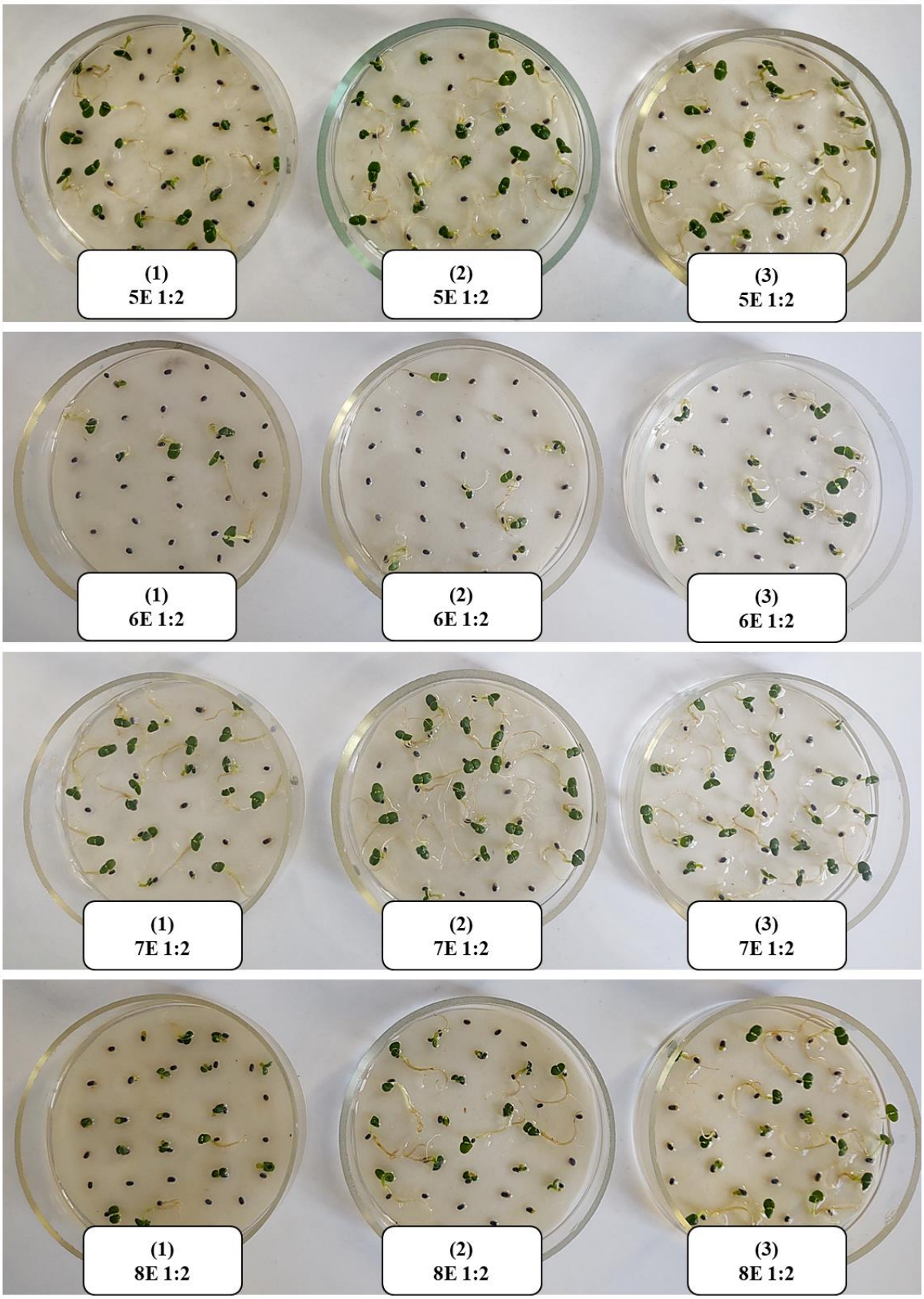
Supplementary Fig. 19. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 1: extract dilution with H_2O; 5E: hydroethanolic extract from dehiscent capsules; 6E: hydroethanolic extract from autumn (daughter) corms; 7E: hydroethanolic extract from corm tunics; 8E: hydroethanolic extract from flowers.



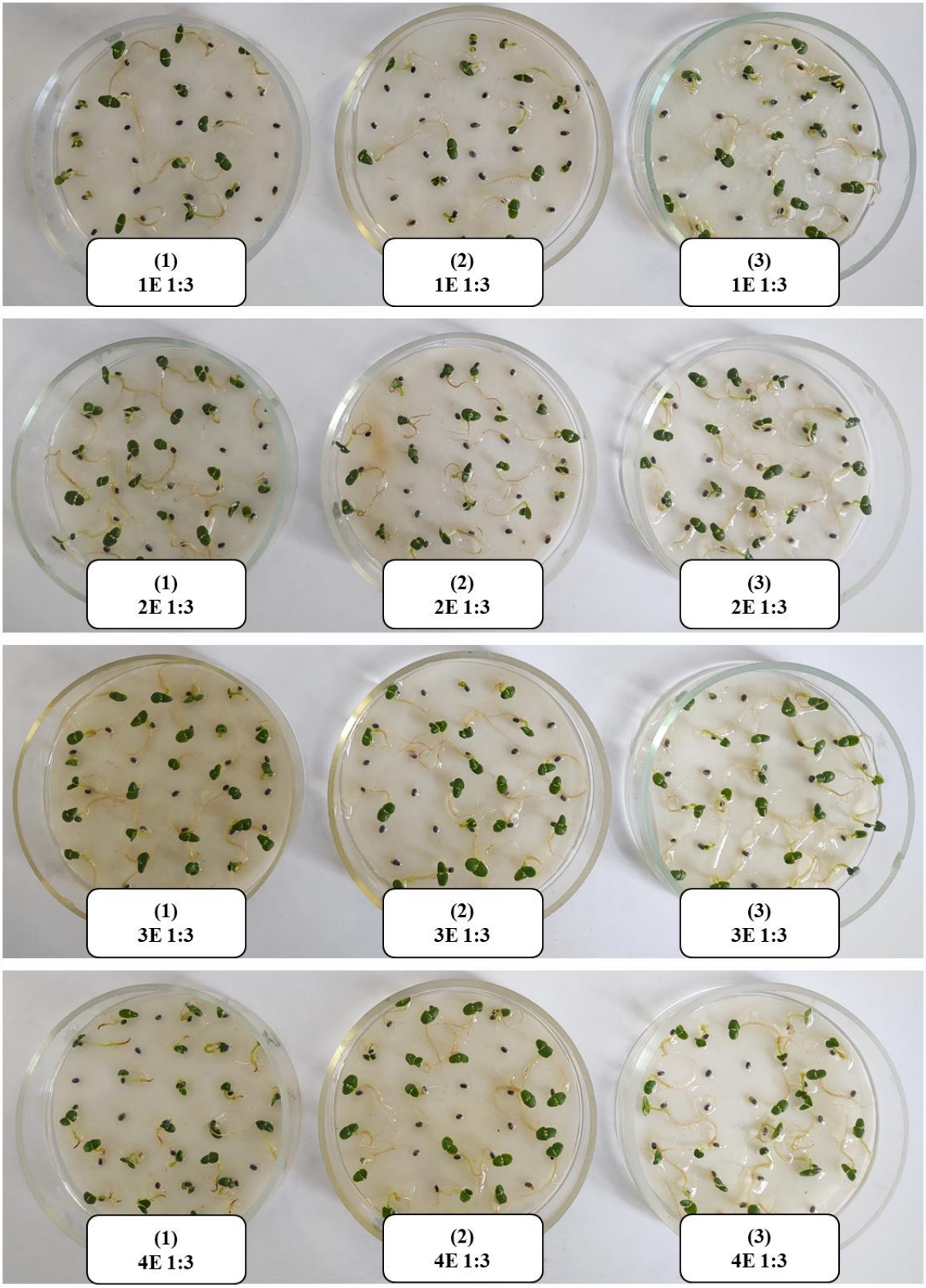
Supplementary Fig. 20. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 2: extract dilution with H_2O; 1E: hydroethanolic extract from spring corms; 2E: hydroethanolic extract from developing leaves; 3E: hydroethanolic extract from developing capsules; 4E: hydroethanolic extract from senescent leaves.



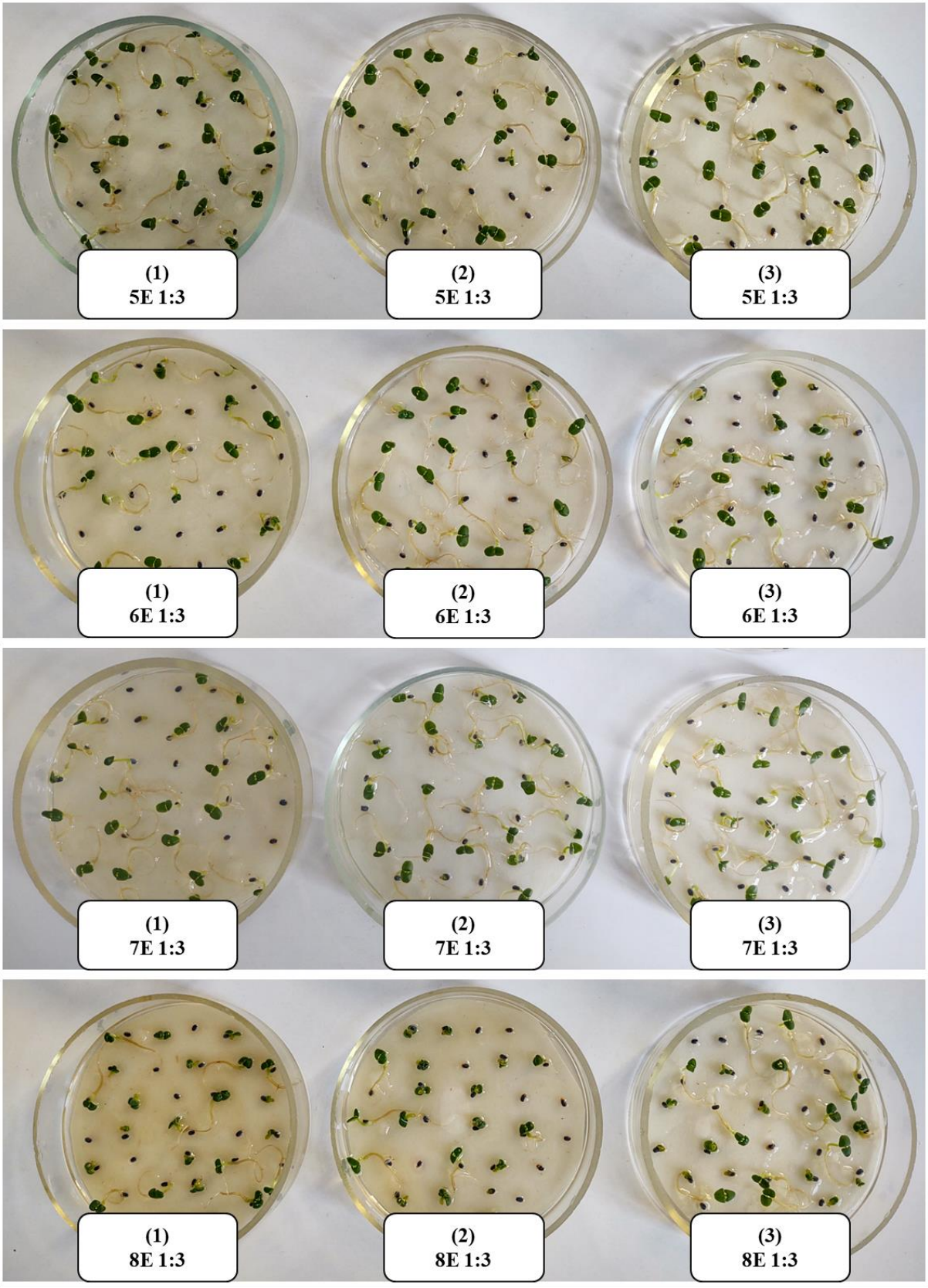
Supplementary Fig. 21. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 2: extract dilution with H_2O; 5E: hydroethanolic extract from dehiscent capsules; 6E: hydroethanolic extract from autumn (daughter) corms; 7E: hydroethanolic extract from corm tunics; 8E: hydroethanolic extract from flowers.



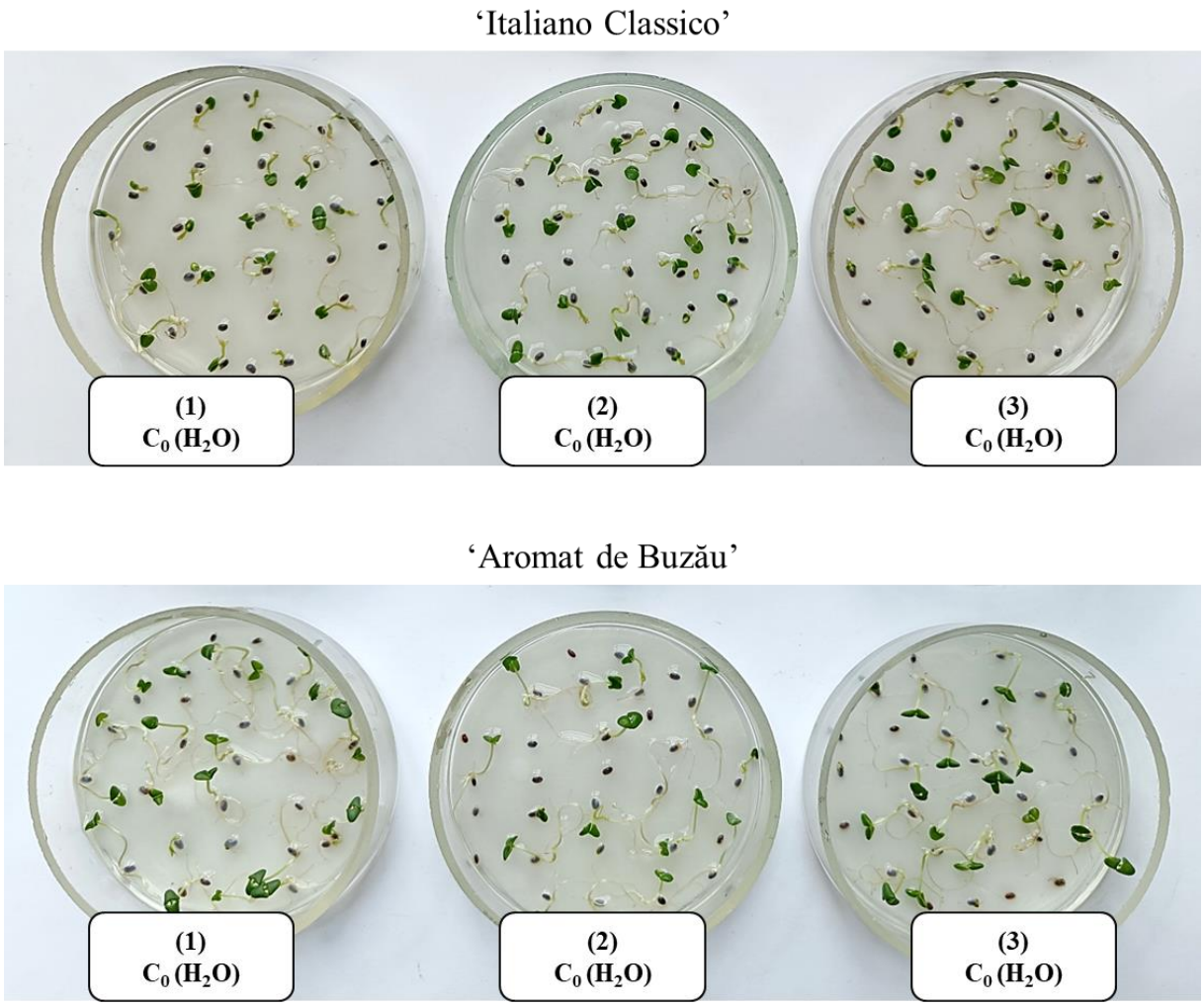
Supplementary Fig. 22. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 3: extract dilution with H_2O; 1E: hydroethanolic extract from spring (mother) corms; 2E: hydroethanolic extract from developing leaves; 3E: hydroethanolic extract from developing capsules; 4E: hydroethanolic extract from senescent leaves.

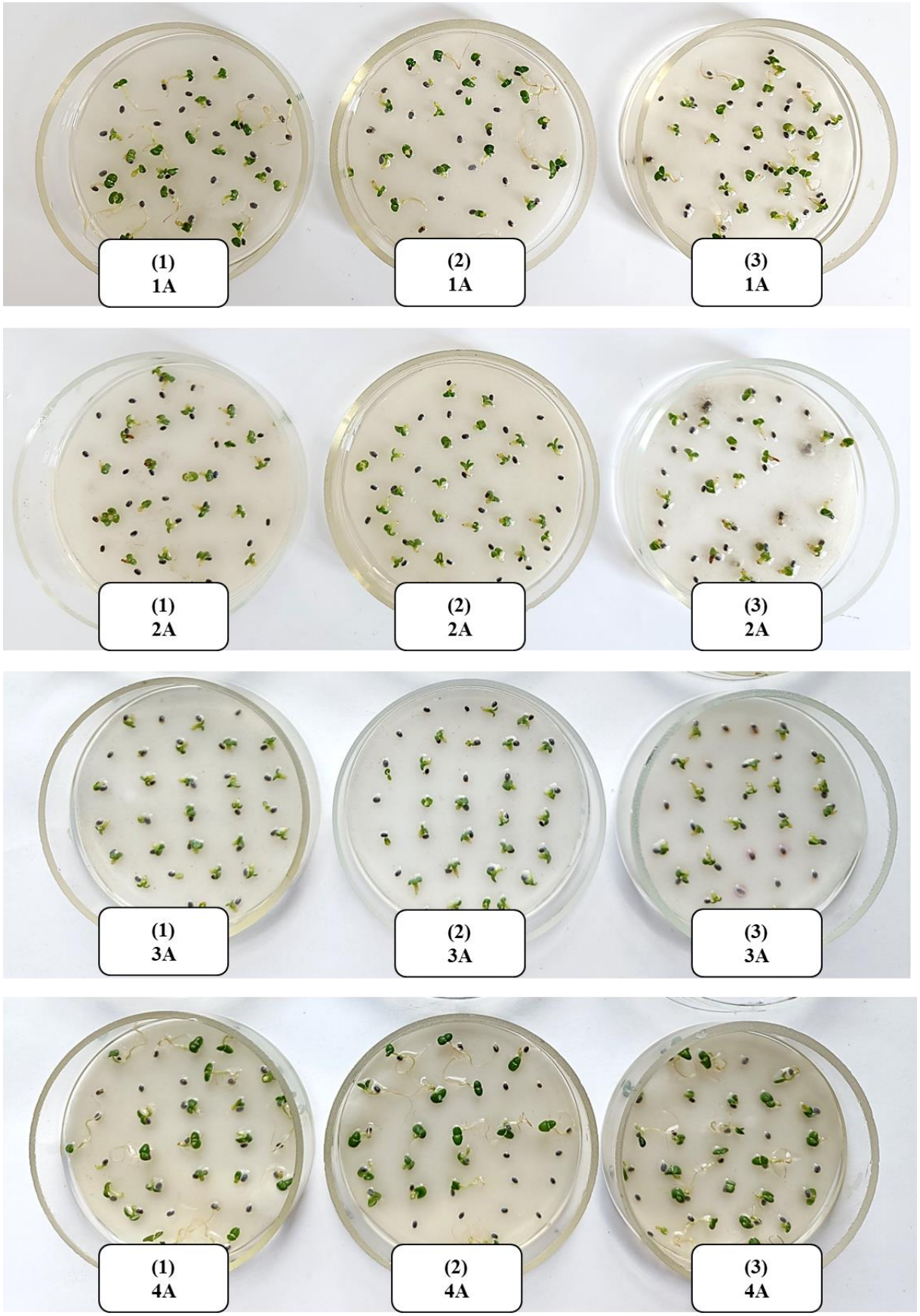


Supplementary Fig. 23. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 3: extract dilution with H_2O; 5E: hydroethanolic extract from dehiscent capsules; 6E: hydroethanolic extract from autumn (daughter) corms; 7E: hydroethanolic extract from corm tunics; 8E: hydroethanolic extract from flowers.

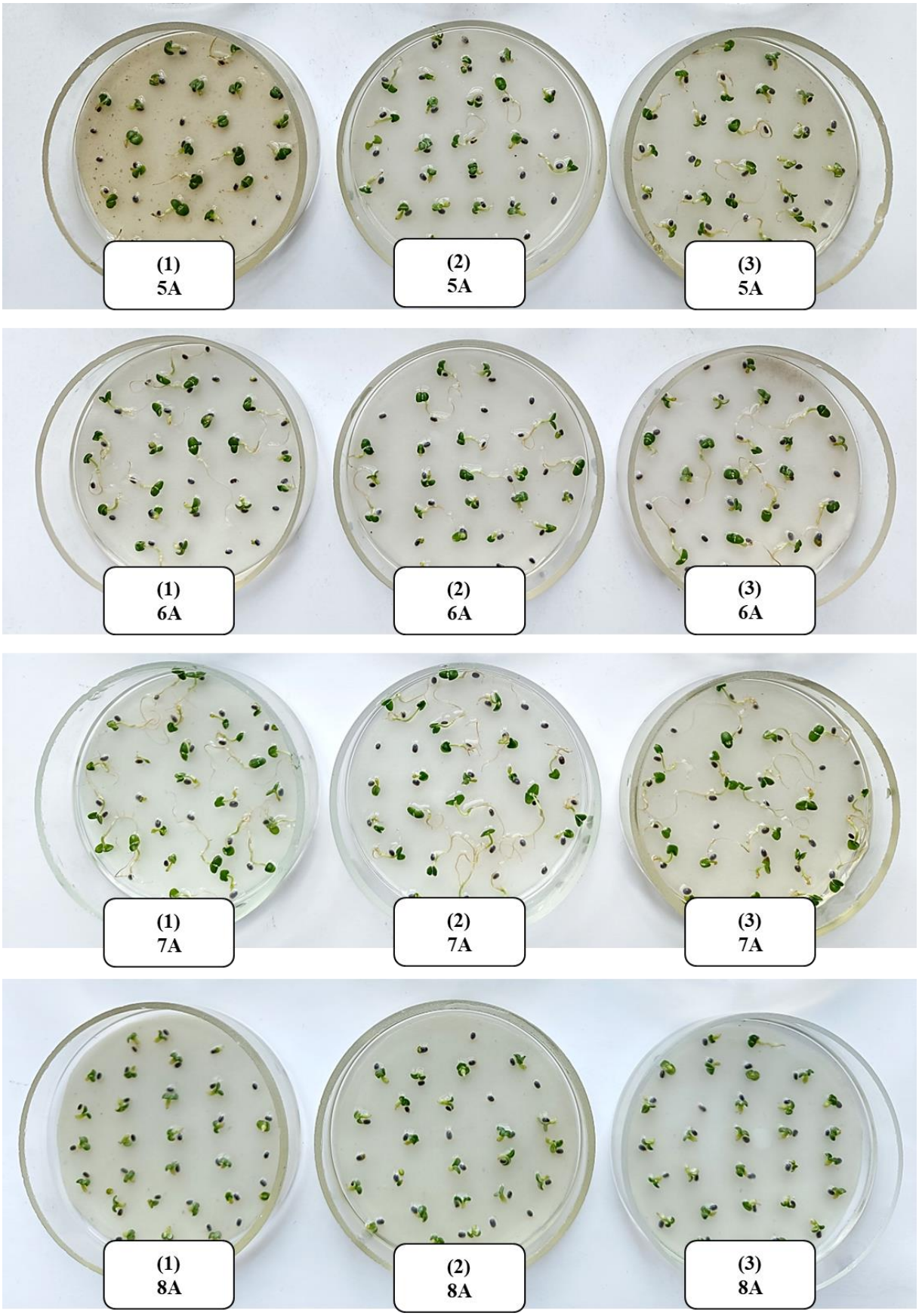


Supplementary Fig. 24. *Ocimum basilicum* 'Italiano Classico' and 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with H_2O (C_0) – control variants.



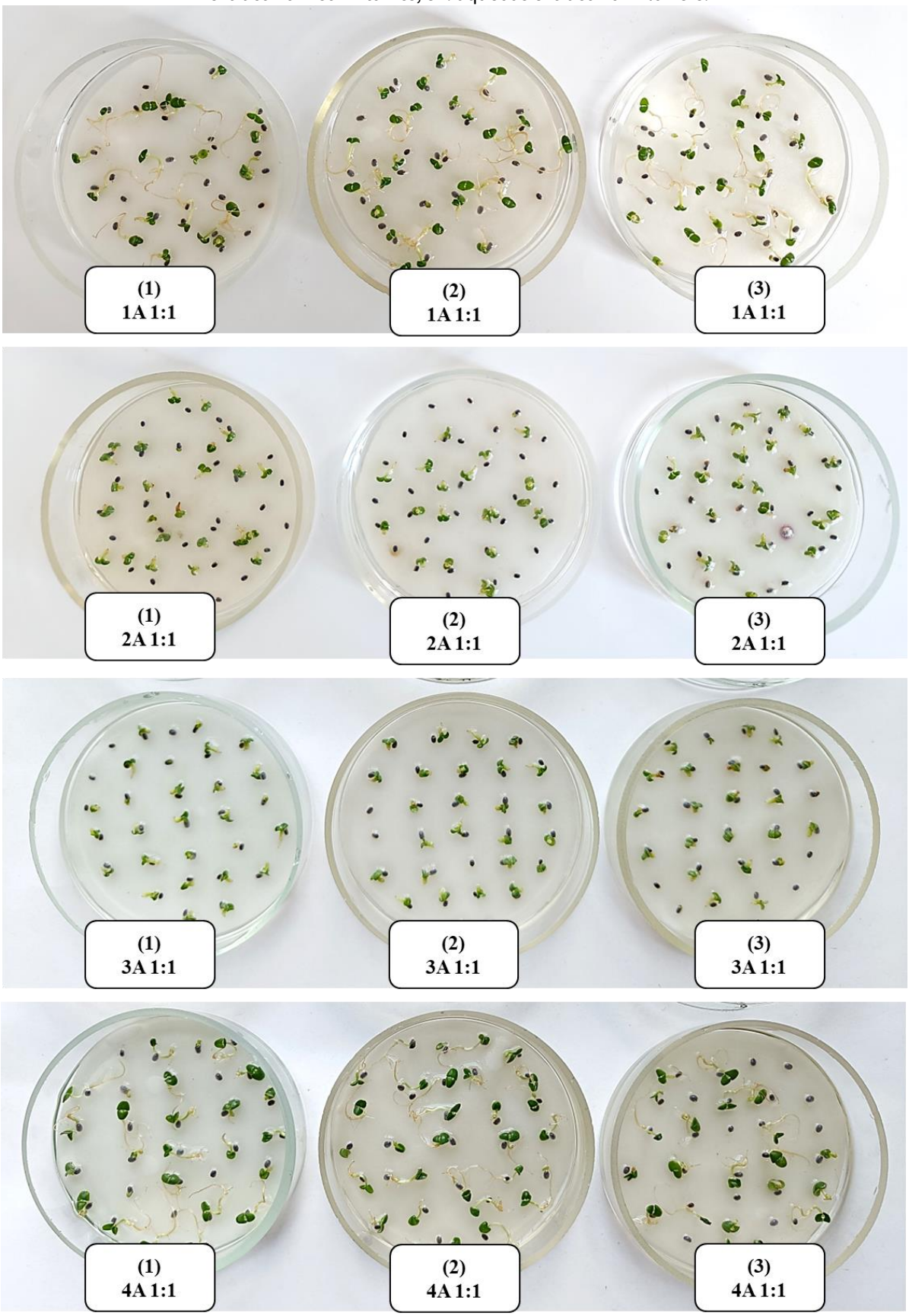
Supplementary Fig. 25. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1A: aqueous extract from spring (mother) corms; 2A: aqueous extract from developing leaves; 3A: aqueous extract from developing capsules; 4A: aqueous extract from senescent leaves.



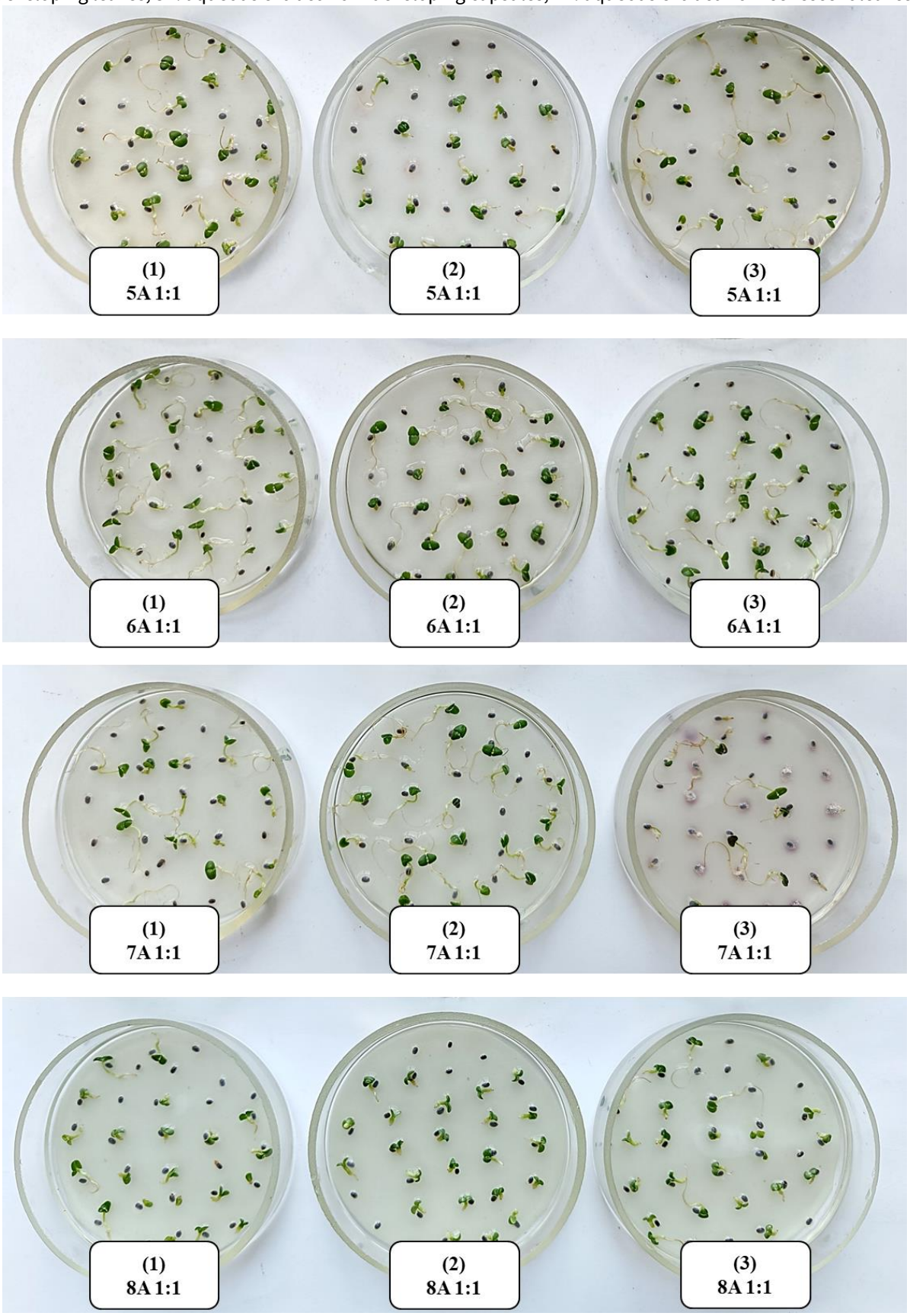
Supplementary Fig. 26. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

5A: aqueous extract from dehiscent capsules; 6A: aqueous extract from autumn (daughter) corms; 7A: aqueous extract from corm tunics; 8A: aqueous extract from flowers.



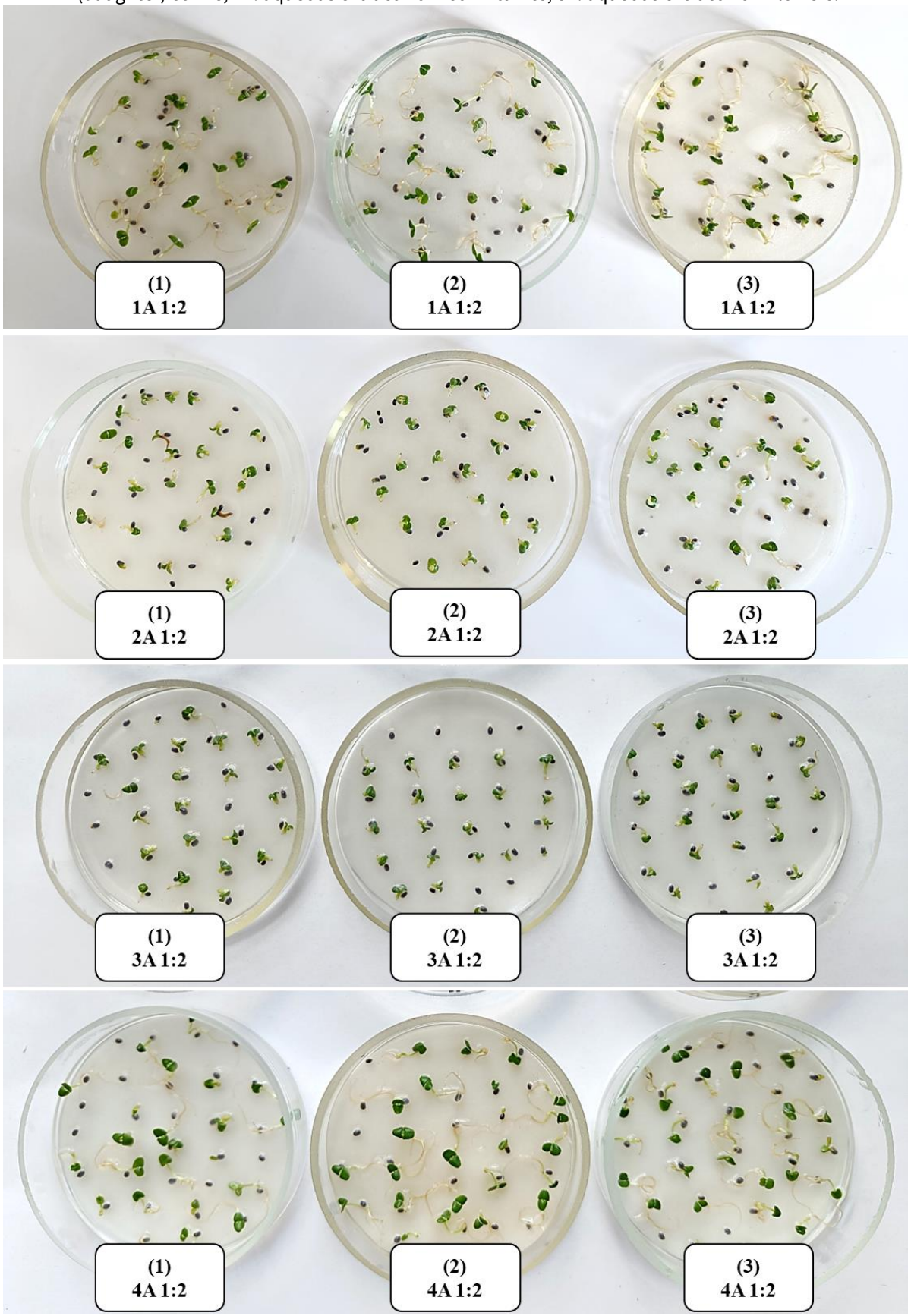
Supplementary Fig. 27. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 1: extract dilution with H_2O; 1A: aqueous extract from spring (mother) corms; 2A: aqueous extract from developing leaves; 3A: aqueous extract from developing capsules; 4A: aqueous extract from senescent leaves.



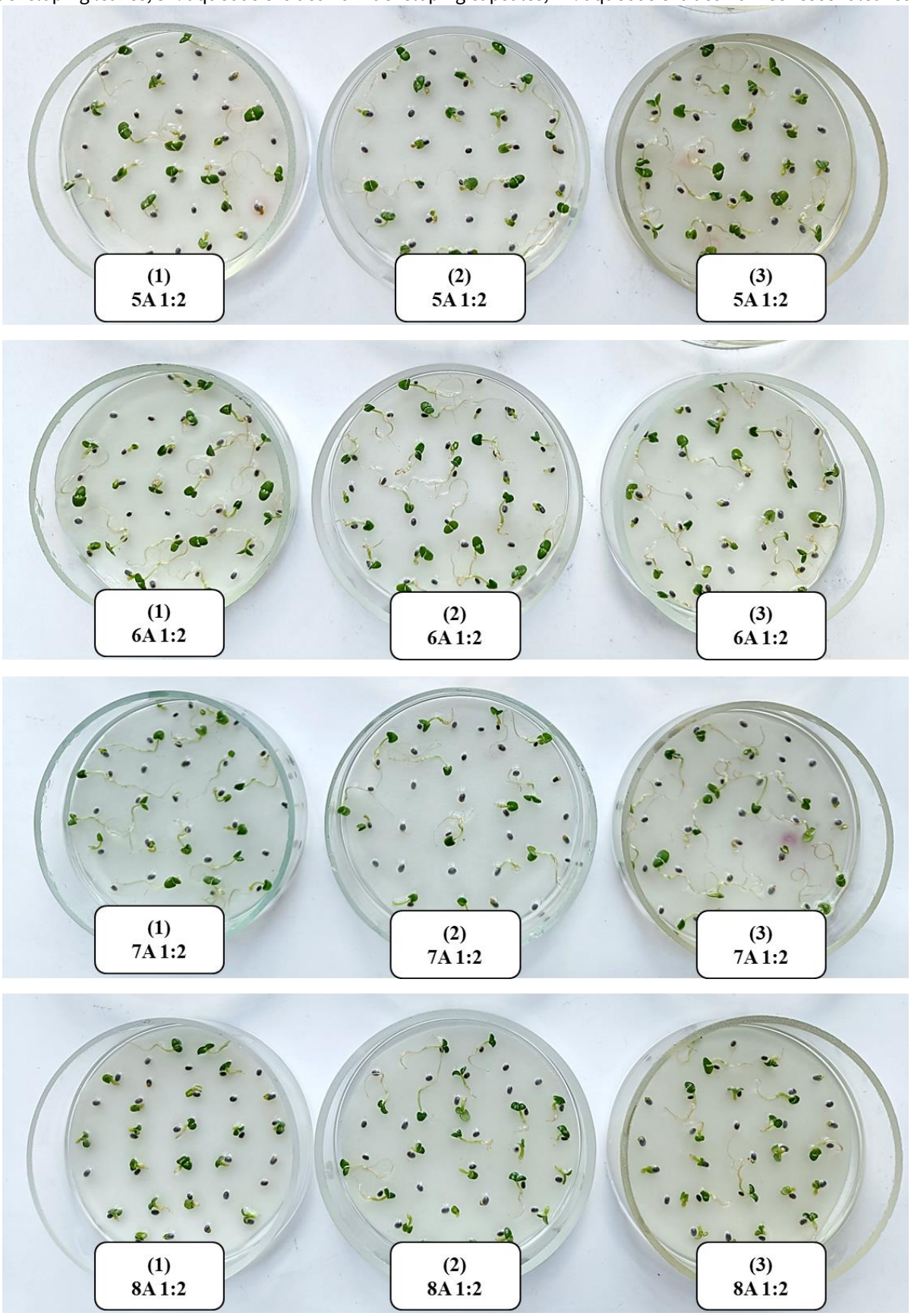
Supplementary Fig. 28. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 1: extract dilution with H_2O; 5A: aqueous extract from dehiscent capsules; 6A: aqueous extract from autumn (daughter) corms; 7A: aqueous extract from corm tunics; 8A: aqueous extract from flowers.



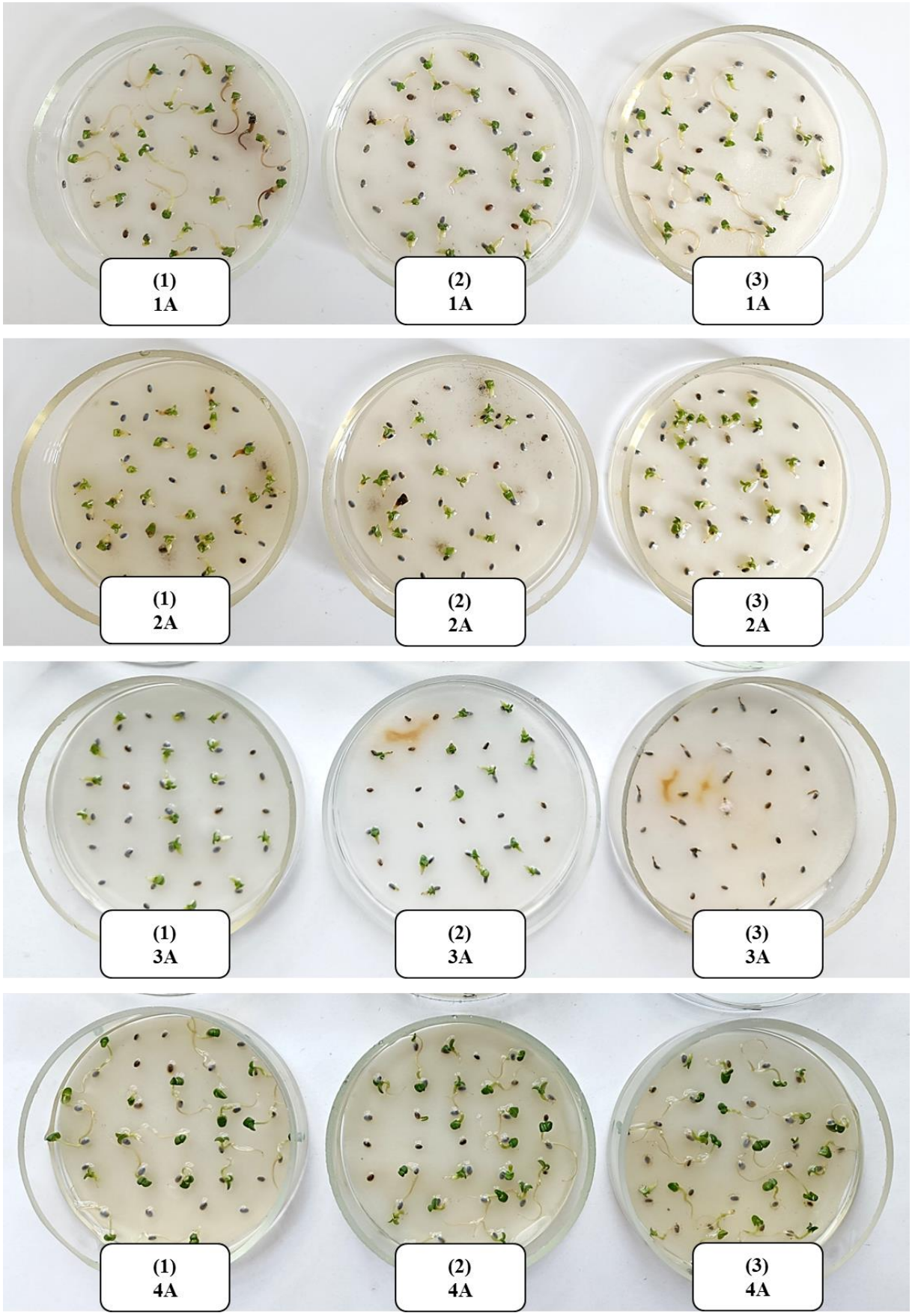
Supplementary Fig. 29. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 2: extract dilution with H_2O; 1A: aqueous extract from spring (mother) corms; 2A: aqueous extract from developing leaves; 3A: aqueous extract from developing capsules; 4A: aqueous extract from senescent leaves.



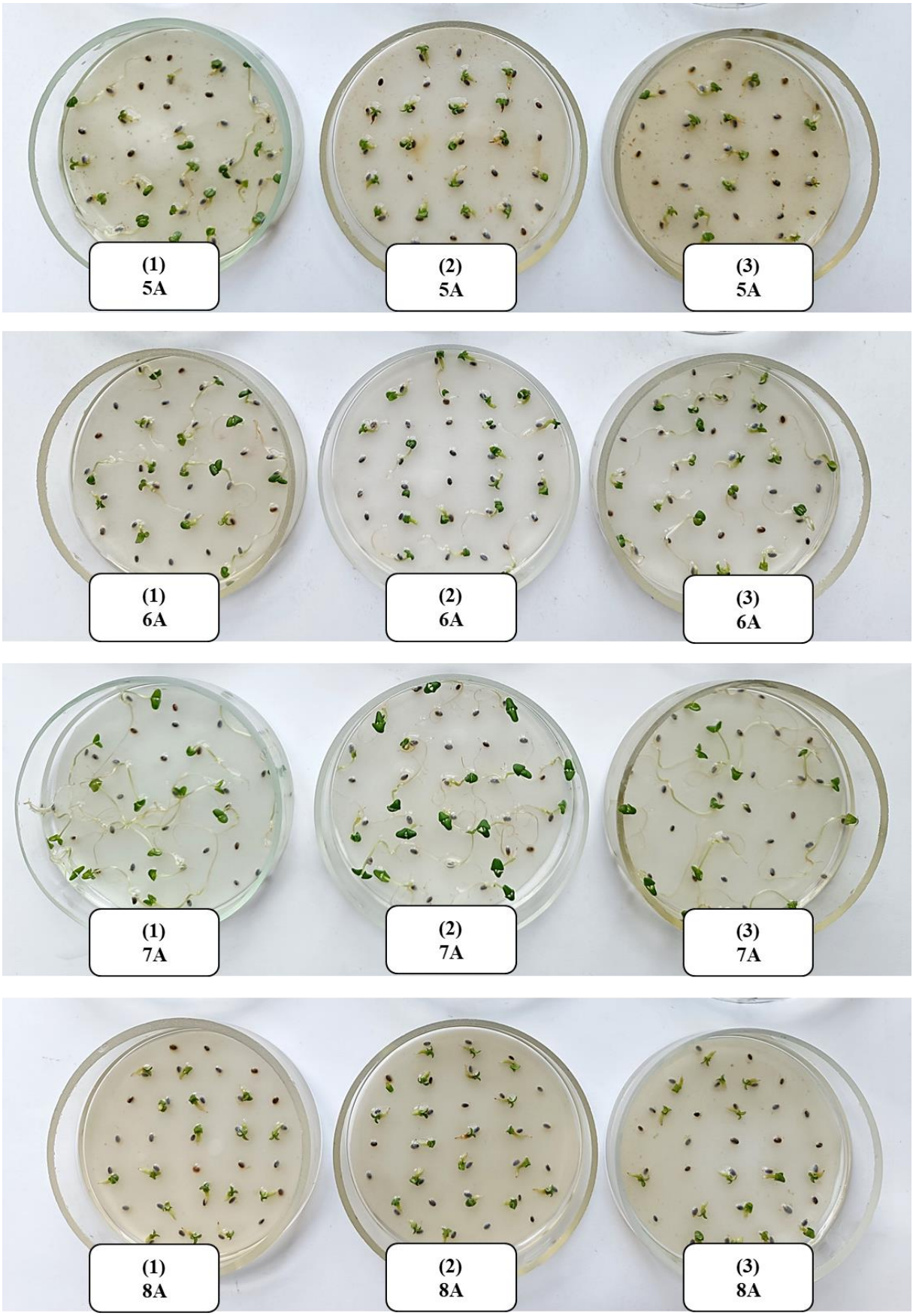
Supplementary Fig. 30. *Ocimum basilicum* 'Italiano Classico' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 2: extract dilution with H_2O; 5A: aqueous extract from dehiscent capsules; 6A: aqueous extract from autumn (daughter) corms; 7A: aqueous extract from corm tunics; 8A: aqueous extract from flowers.



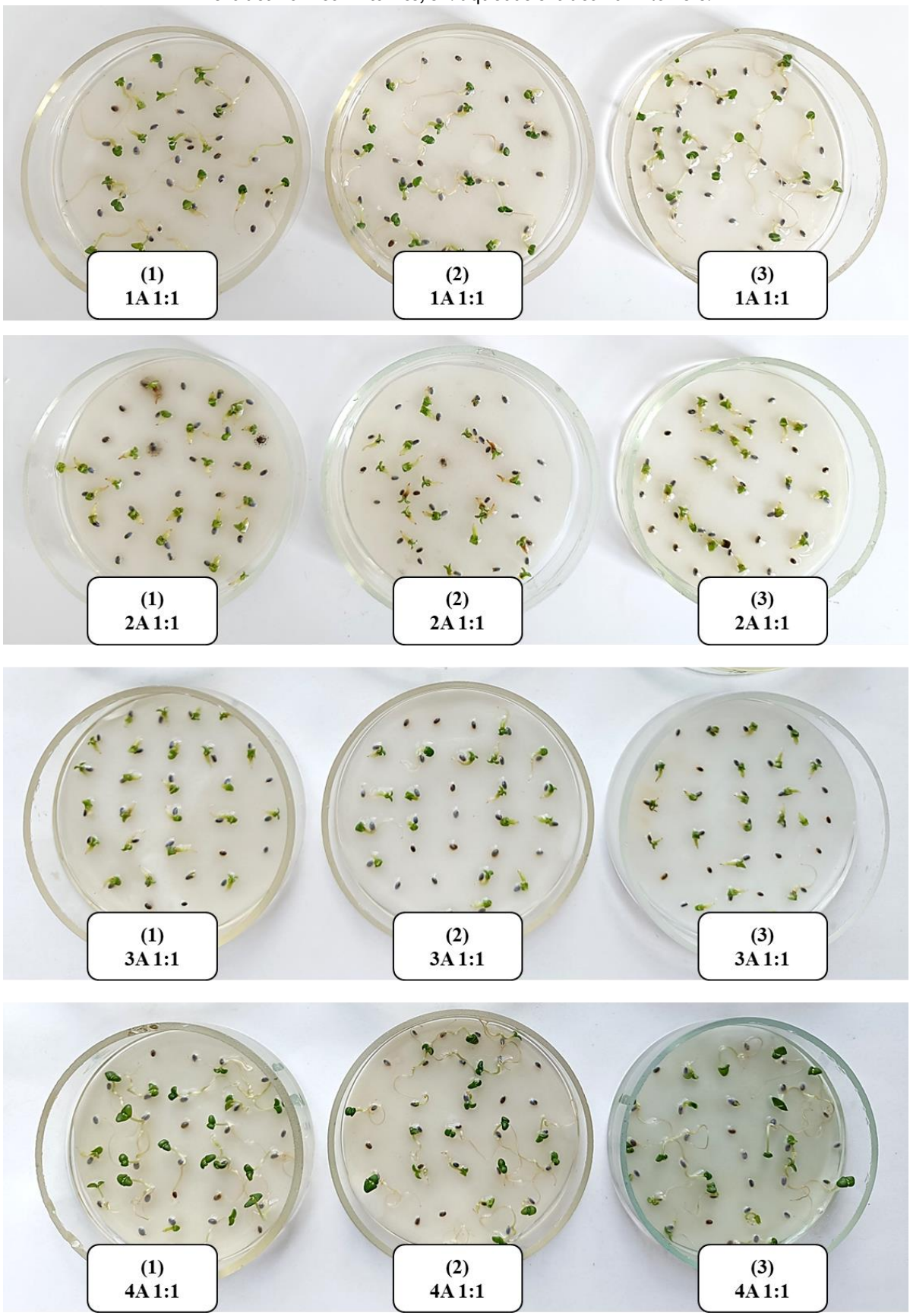
Supplementary Fig. 31. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts. 1A: aqueous extract from spring (mother) corms; 2A: aqueous

extract from developing leaves; 3A: aqueous extract from developing capsules; 4A: aqueous extract from senescent leaves.



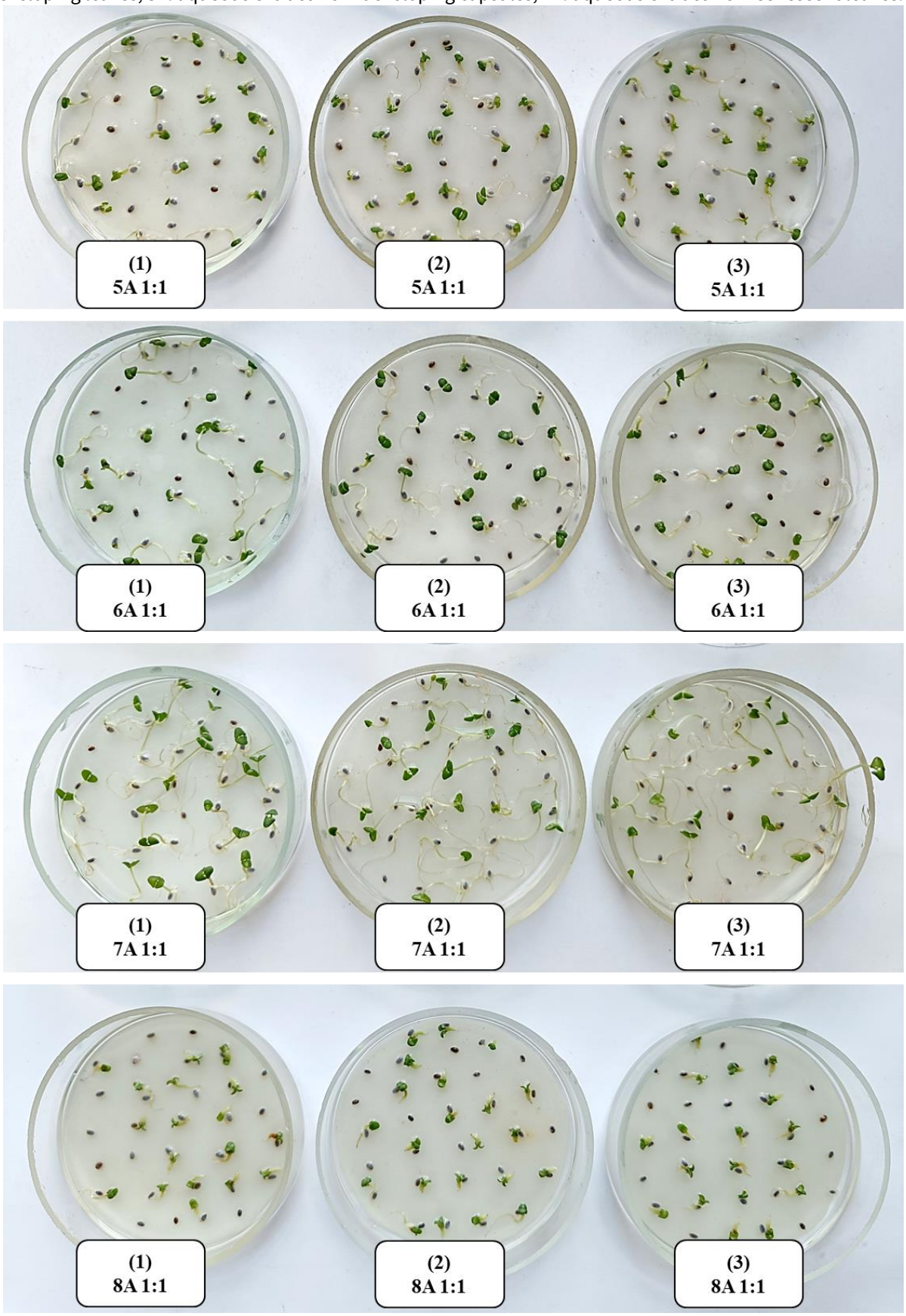
Supplementary Fig. 32. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

5A: aqueous extract from dehiscent capsules, 6A: aqueous extract from autumn (daughter) corms, 7A: aqueous extract from corm tunics, 8A: aqueous extract from flowers.



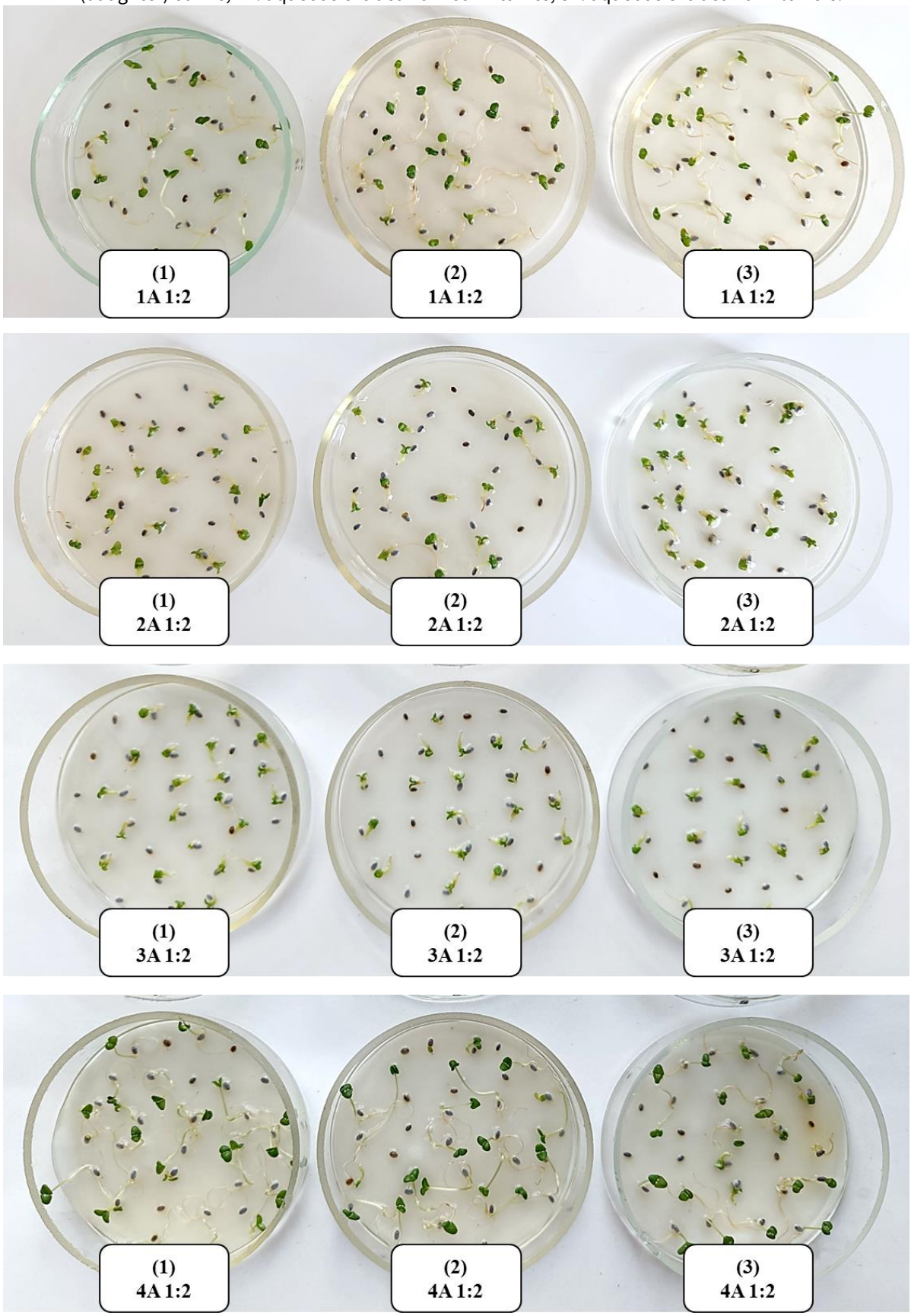
Supplementary Fig. 33. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 1: extract dilution with H_2O; 1A: aqueous extract from spring (mother) corms; 2A: aqueous extract from developing leaves; 3A: aqueous extract from developing capsules; 4A: aqueous extract from senescent leaves.



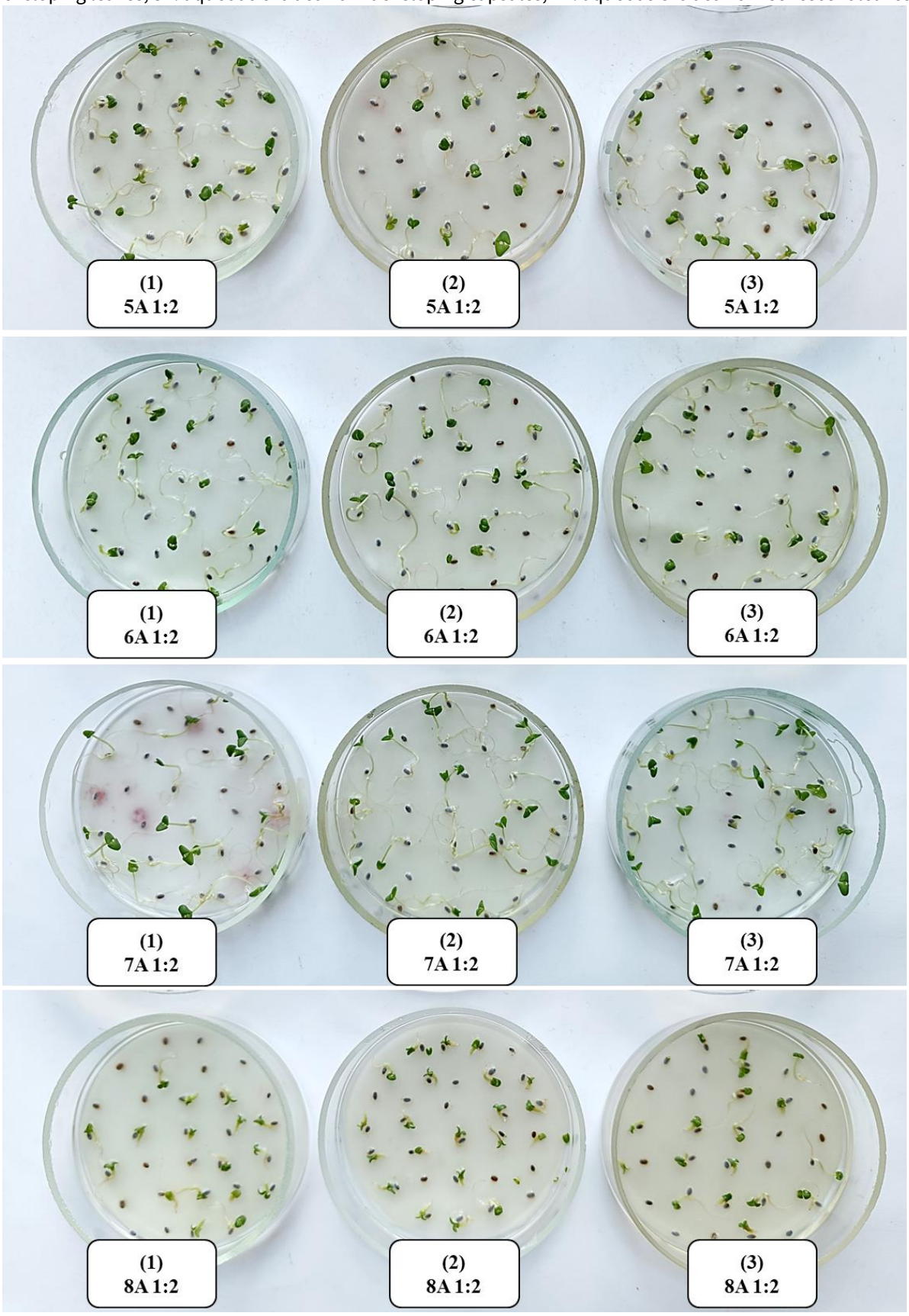
Supplementary Fig. 34. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 1: extract dilution with H_2O; 5A: aqueous extract from dehiscent capsules; 6A: aqueous extract from autumn (daughter) corms; 7A: aqueous extract from corm tunics; 8A: aqueous extract from flowers.



Supplementary Fig. 35. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 2: extract dilution with H_2O; 1A: aqueous extract from spring (mother) corms; 2A: aqueous extract from developing leaves; 3A: aqueous extract from developing capsules; 4A: aqueous extract from senescent leaves.



Supplementary Fig. 36. *Ocimum basilicum* 'Aromat de Buzău' seedlings on day 14 of the germination test, after treatment with *Colchicum autumnale* extracts.

1 : 2: extract dilution with H_2O; 5A: aqueous extract from dehiscent capsules, 6A: aqueous extract from autumn (daughter) corms, 7A: aqueous extract from corm tunics, 8A: aqueous extract from flowers.