

The search of infinitude in an apple tree

By: Korosh Erfani, PhD



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Introduction

Despite and beyond the fact that we know it or not while manipulating any material object, we are dealing, in some way, with infinity. This claim is based on the main statement of the *Infinitism* theory according to which '*everything is infinite, or is not*'. But we should think of the huge discrepancy between knowledge and ignorance of it.

When we don't know it, we treat every reality as finite, while there is an infinite scope beyond that; nonetheless, when we know it, we would keep in mind that finite is not but an appearance and its actuality turns out to be infinite.

From the moment this awareness is present, we would deal differently with whatsoever we cope with. Let's see how it could be the difference through a concert example of a natural object.

Apple tree

Imagine we have an apple tree in our backyard, with many apples hanging there. Once we pick all its apples, we think that this tree doesn't have anything more to offer until next season. This is when we see the tree as finite, with a few limited resources. But, as soon as we adopt the infinitist

view, we would see in this tree unlimited sources of production: as well for fruits as for many other things.

But before we go through these potential possibilities of our tree, we have to highlight a crucial point: when we enumerate these potentials, we should not think initially about the feasibility of these suggestions; this is not for now our objective to see if any mentioned probable possibility is an effective one or not. Our objective is just to draw the discriminating line between two visions: finite one, and infinite one. So, for the sake of our argument, we will dismiss the practical aspect of our claim, albeit we will surely back to it afterwards.

Let's see the potential uncountable possibilities the apple tree in question can have for us:

1. We can act so that the tree reaches the crop several times.
2. We can act to multiply the tree's crop.
3. We can act to get much bigger apples.
4. We can act much better apples.
5. How we can get all the varieties of apples on the same tree: (for example Honeycrisp Apple Trees, Fuji Apple Trees, Gala Apple Trees, Red Delicious Apple Trees,

- Granny Smith Apple Trees, Pink Lady Apple Trees, Golden Delicious Apple Trees, McIntosh Apple Trees)
6. We can act to grow other fruits than apples on that three.
 7. We can act so that it takes less time to reach the crop.
 8. We can act so that it takes less water to reach the crop.
 9. We can act so that the tree loses fewer apples before picking them.
 10. We can act so that the tree multiply branching.
 11. We can act so that each apple could be more fruitful.
 12. We can act so that each apple could act independently and actively?
 13. How we can change the taste of apples or of each apple?
 14. We can act so that each leaf of the tree could become a source of materials and water.
 15. We can act so that the interactions between apples and leaves happen by design.
 16. We can act so that the interaction of the tree and soil happens intelligently
 17. We can act so that the water existing in the leaves becomes an internal source of water for other parts of the tree or beyond.

18. We can act so that each apple acts intelligently regarding other apples to reinforce itself, other apples, and the three.
19. We can act so that the wood of the tree becomes a source of materials.
20. How we can make apple tree a self-fertile one, needless of being pollinated?
21. We can act so that we can use the water of the tree's trunk.
22. We can act so that each leaf that falls from the tree becomes a starting point of a productive process.
23. We can act so that each leaf can become a source for the tree itself.
24. How we could change, reduce or remove the rest season of the apple tree as we know that "in winter the apple tree rests".
25. How is it possible to use buds to make new combinations as we know that "some of which contain leaves and others that contain five flowers".
26. What would be the possibilities of intervention when: With warmer spring weather, the leaf buds unfold and flower buds begin to grow on the ends of the twigs".

27. We can so that each apple that falls from the tree could act intelligently to be beneficial.

28. We can act so that the tree interacts purposefully with birds, bees, butterflies or other insects and animals.

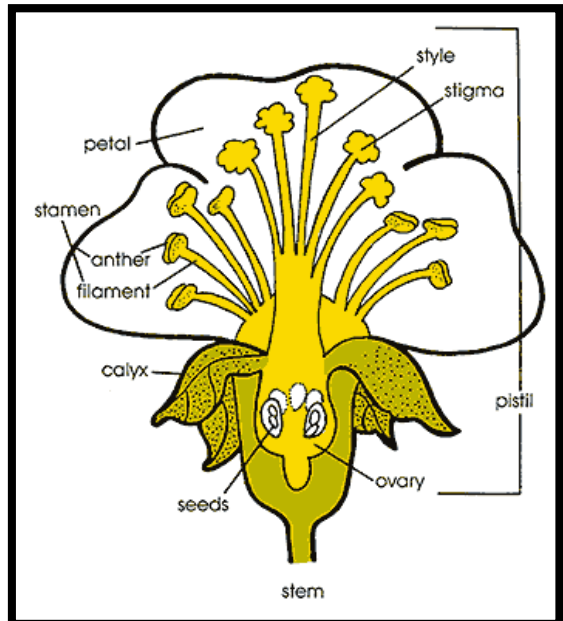
29. We can act so that tree could find the best position to have maximum fruits based on its location, light, soil, wind, and ...

30. What we can do with the whole structure of the tree?

31. What we can do with each component of an apple tree bud?

32....

In order to see how many points are workable in each component of the tree let's see the structure of its flower at the first level of its structure:



Source: https://web.extension.illinois.edu/apples/edu-projects_4B.cfm#:~:text=The%20flowers%20have%20many%20parts,of%20an%20anther%20and%20filament

Here is the brief presentation of some parts:

The flowers have many parts that are crucial to the formation of apples:

1. **Sepals** - five green, leaf-like structures that make up a flower's calyx
2. **Petals** - the part of a flower that attracts insects by their color and scent
3. **Stamens** - the male reproductive part made up of an anther and filament
4. **Anther** - the part of the stamen that produces pollen
5. **Filament** - the stalk of the stamen
6. **Pistil** - female part of the flower, made up of a stigma, style, and an ovary
7. **Stigma** - the top of a flower's pistil
8. **Style** - the part of a pistil that connects the stigma and the ovary
9. **Ovary** - the rounded base of the pistil, inside of which are five compartments each containing two ovules, female reproductive cells that can become seeds.

Any manipulation in one of these 9 subcomponents of the apple tree's flower will change on account of their

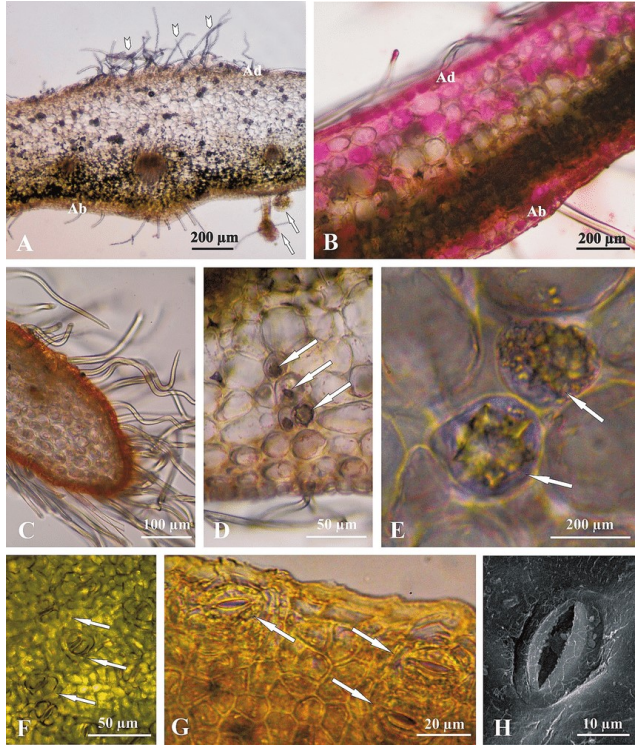
interaction. Just imagine the functions of one of these 9 elements, namely, ‘sepals’:

1. Provide support to the flowers.
2. Prevents the flower from drying out.
3. Protects the reproductive organs within the flower.
4. In some plants with no petals, sepals function as petals.
5. Safeguard the bud and flowers from harsh environmental conditions.
6. Sepals protect both flowers and fruits by producing chemicals that would ward off predators.
7. In some rare plant species, sepal serves as thorns and functions by protecting the flower.
8. They form a protective cover for a flower at its bud stage as they cover around it until they are ready to bloom.
9. In rare cases, sepal grows larger and protects the fruits from honey bees, birds and different kinds of insects.

We can see how all these 9 functions will be altered if we change one of the other 8 elements of the flower.

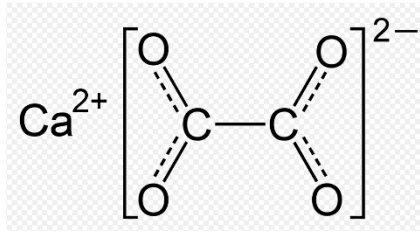
If we dig in the sepals we can see how the microstructure of them can also be a source for more modifying attempts:

Anatomy of the sepal. A- Cross section of a sepal. The arrows indicate glandular trichomes, the arrowheads-non-glandular trichomes. B- Cross section of a sepal. The pink staining of the cells (with neutral red) is evidence of their secretory activity. C- Section of a sepal with visible non-glandular trichomes (stained with Sudan III). D, E-Cross sections of a sepal. The arrows indicate calcium oxalate crystals in the parenchyma cells. F, G-Sections of abaxial epidermis. The arrows indicate stomata. H-Stoma from the outer surface of a sepal. Source: https://www.researchgate.net/figure/Anatomy-of-the-sepal-A-Cross-section-of-a-sepal-The-arrows-indicate-glandular_fig6_273191995



Again we can continue with these subcomponents. For instance, for the “calcium oxalate crystals”, we can see its chemical combination:

“CaC₂O₄”



Source :[https://en.wikipedia.org/wiki/Calcium_oxalate#:~:text=Calcium%20oxalate%20\(in%20archaic%20terminology,forms%20are%20colorless%20or%20white.](https://en.wikipedia.org/wiki/Calcium_oxalate#:~:text=Calcium%20oxalate%20(in%20archaic%20terminology,forms%20are%20colorless%20or%20white.)

Each element of this formula could also be detailed more and more, infinitely.

So, we are here in front of the infinitist claim that *everything is infinitely composite*.

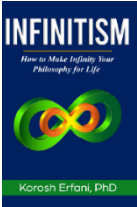
Now, back to the main topic of this paper: as long as we see reality as finite we will not be able to envision the utilizable infinitude that is in action within it. Our relationship with the material world is so minor that we don't see longer this missed infinitude. We got used to the most superficial level of contact with matter, and our efforts to penetrate the deeper layers of structure of it, like the atomic energy or other nanotechnologies, although in the good direction, remain a very small portion of what we are doing to our environment and our physical world. For thousands of years, we are wasting time, resources, and our lives to explore the

shallowest echelon of the fabric of matter. And as long as we don't change this approach, we will stagnate where we are till this level of exploitation of matter couldn't bear all its negative effects and pushes us to the surest collapse.

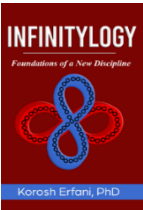
Therefore, we have to think about how to end our superficial approach to the material world and start thinking of how we can go to a deeper touch of matter because of our consciousness on the infinite configuration of matter.#

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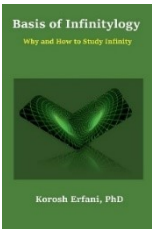
Books published so far:



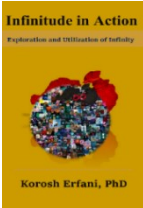
Infinitism: How to make Infinity your philosophy for life, ILCP Publishing House, 2021, 375 pages.



Infinitylogy: Foundations of a New Discipline, ILCP Publishing House, 2021, 148 pages.



Basis of Infinitylogy: How and why to study Infinity, ILCP Publishing House, 2021, 148 pages.

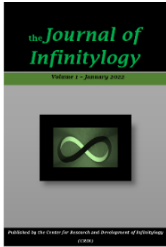


Infinitude in Action: Exploration and Utilization of Infinity, ILCP Publishing House, 2021, 200 pages.

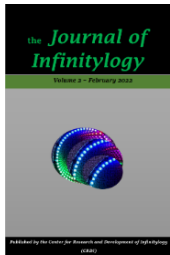


Project of Infinitism: How to Transform your Ideas into Projects, ILCP Publishing House, 2021, 132 pages.

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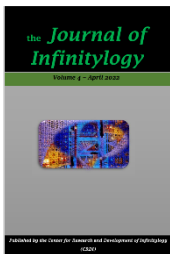
The Journal of Infinitylogy, Volume 1, January 2022, CRDI Publication



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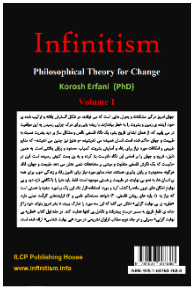


The Journal of Infinitylogy, Volume 3, March 2022, CRDI Publication



The Journal of Infinitylogy, Volume 4, April 2022, CRDI Publication

Our books in other languages



- *Infinitism: The Philosophical theory to change*, (Book in Persian), ILCP Publishing House, 2020, 1018 pages. (possible translation in the future)



The CRDI plans translating these mentioned English books in French in the future.

Our websites



- Website on the *Center for Research and Development of Infinitylogy (CRDI)*

www.thecrdi.com

- Website on the philosophical theory of *Infinitism* and its applications.

www.infinitism.info

- Website on *Infinitylogy* as a new discipline and its establishment:

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- Website of the ILCP Publishing House

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