

Miami, March 6<sup>th</sup> 2022

Geochemistry, Geophysics, Geosystems Journal

To The Editor:

As a preface to this commentary, I realized that my comments are addressing a paper published in 2013, or 9 years ago. The references used in the commentary are dated 2015 and 2016. Why the delay for this commentary? Because only recently is that this author became aware of the anisotropy nature of Ferrocyanides; The (Ferro and Ferricyanides) have been described as being anisotropic; meaning they have the property of full absorption of incoming electromagnetic radiation. When I became aware of said property, it was a revelation, meaning I could then fully comprehend all my past observations where the hair follicle intrinsic electromagnetism were documented as periodic semicircular Ferrocyanide crystals. In our original paper in 2016 where a novel method was introduced for imaging plants and animal tissue electromagnetic fields (EMFs) iron particles were identified as the main factor for the results as stated: “As a result of their intrinsic electron transport based metabolism these biologic entities emitted electromagnetic fields that were imaged by aggregated iron particles outlining the leaves or visualized as circulating aggregated iron particles around the hair follicles”.

Due to the recent awareness and documentation as listed above, a new paradigm could be now stated where anisotropic materials together in contact with the ancient enzyme catalase are most likely the main factors in fossilized biological images.

Plants and animals are known to have catalase, therefore when in the presence of an anisotropic environment combined with catalase are introduced as the underlying mechanism triggering plants and animals fossilized images.

Please link to: <https://youtu.be/GFAc4pWqmYA> to appreciate the anisotropy of Potassium Ferrocyanide. In this video is shown fully absorbing hair follicle's incoming bioelectromagnetic radiation. Or Scan QR Code below:



COMMENTARY

UNRAVELLING THE ORIGIN OF FOSSILIZED IMAGES

### **Anisotropy Environment and Catalase as Essential for Fossilization**

The main purpose of this commentary is to introduce a mechanism attributed to the formation of fossilized images from plants and animals displayed in the literature. Images of fossilized biological structures are formed in the presence

of two entities, namely catalase mixed with an anisotropic material. *In Vitro* experiments are presented supporting the previous statement.

In the paper published in your journal by Ron Shaar et al. on February 2013, addressing the “Rock magnetic properties of Dendrites” (1), a question remained unanswered, being why a basaltic rock sample that “contains a very large number of dendrites is anisotropic”; and then hypothesized that “may have to do with the flow history of the glass than the inherent anisotropy of the individual dendrites”. In this commentary, that question is clarified with documentation where *in vitro* experiments show the anisotropic Potassium Ferrocyanide when in contact with the protein enzyme catalase triggers crystals resembling fossilized flowers (2). It should be emphasized that the presence of the intrinsic electromagnetic emissions of catalase could also be a factor in fossil formation (3). This is demonstrated in the figures below reproduced from a previously published paper.

**EXHIBIT I Resulting from distilled water drops hydrating powdered catalase. Notice the absence of Iron Flowers.**

EXHIBIT I



Powder catalase on a glass slide being hydrated by distilled water. Notice the absence of “iron Flowers”. For details:

Link to: <https://youtu.be/AzDeikowxxU> Or Scan QR Code in left corner.

## **EXHIBIT II**

**Image of Actual Fossilized Plants**

**Please compare with Exhibit iii**



ABC Science

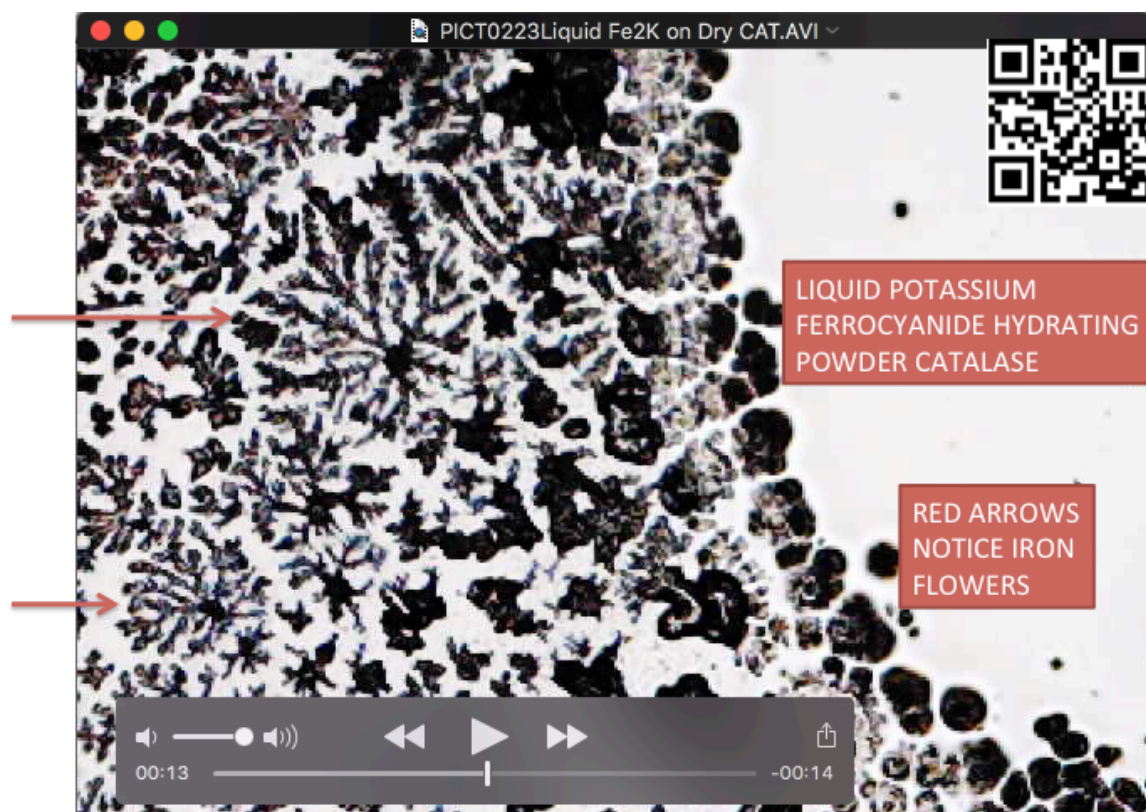
/ By Genelle Weule

Posted Wed 31 Aug 2016 at 11:19pm

### **EXHIBIT III**

***In Vitro* Fossil Like Flowers Images from Hydrating Powder Catalase with liquid Potassium Ferrocyanide.**





Liquid Potassium Ferrocyanide hydrating powder catalase. Notice presence of “Iron Flowers” images. For additional details link to:

<https://youtu.be/SJcJVeeZjS0> Or Scan QR Code in right upper corner.

Above Exhibits I, II, III reproduced from:

Embi AA Lichtenberg Figures and Crystal Dendrites Creation Using Iron Nanoparticles, Prussian Blue Stain and Catalase in the Absence of High Voltages Discharges: Implications in Paleontology (2016) Physics Journal, Vol.2,No.3, May 2016, Pub. Date: Mar. 9, 2016.

#### REFERENCES

1. Shaar Ron, Feinberg Joshua M. Rock magnetic properties of dendrites: insights from MFM imaging and implications for paleomagnetic studies. 2013 Geochemistry, Geophysics, Geosystems Volume 14, Number 2 27 February 2013 doi:10.1002/ggge.20053 ISSN: 1525-2027.
2. Embi AA Lichtenberg Figures and Crystal Dendrites Creation Using Iron Nanoparticles, Prussian Blue Stain and Catalase in the Absence of High Voltages Discharges: Implications in Paleontology (2016) Physics Journal, Vol.2,No.3, May 2016, Pub. Date: Mar. 9, 2016.

3) Abraham A. Embi. (2018). "CATALASE INTRINSIC EMISSIONS OF ELECTROMAGNETIC FIELDS AS PROBABLE CAUSE IN CANCEROGENESIS FROM CONSUMPTION OF RED AND PROCESSED MEAT." *International Journal of Research - Granthaalayah*, 6(8), 33-40. <https://doi.org/10.29121/granthaalayah.v6.i8.2018.1259>.

Thank You

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