

Ancient Giant Sequoias Are Dying: Scientists Refuse to Acknowledge the Cause

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ABSTRACT

California's Giant Sequoias and Coast Redwoods, long symbols of strength, longevity, and resilience, have survived natural climate change for as long as 3,000 years, but are now succumbing to human manipulation of the natural environment. Scientists concerned with the wellbeing of these magnificent trees blame their recent die-offs on climate change, drought, and insects while turning a blind eye to the primary underlying cause: environmental modification by jet-emplacement in the troposphere of toxic particles evidenced as coal combustion fly ash. Said aerosolized particulates cause droughts and deluges, heat the troposphere, contaminate rain, snow, and fog with plant-killing toxins including chemicallymobile aluminum, coat foliage, and exacerbate forest fires. The aerial spraying depletes stratospheric ozone, allowing damaging ultraviolet radiation B and C to reach Earth's surface. These environmental stressors weaken the trees to the point they are attacked by insects and pathogenic fungi. Here we disclose the unspoken, underlying cause of the die-offs of Giant Sequoias and Coast Redwoods. Through a diabolically-deceptive, Trojan horse, United Nations' International Treaty the governments of sovereign nations were coerced to wage environmental warfare against their own citizens and the natural environment under the guise of peaceful environmental modification. Remaining trees, and indeed much of the life on Earth, can only be saved if this environmental modification is halted.

INTRODUCTION

The Giant Sequoia, *Sequoiadendron giganteum*, grows on the western slope of the Sierra Nevada. The related California Coast Redwood, *Sequoia sempervirens*, grows in a narrow band along the Pacific Coast of the United States. The current demise of these ancient, magnificent trees is usually attributed to drought, atmospheric warming, and infestation, especially by bark beetles [1, 2]. Sequoia foliage drop associated with drought was noticed in 2014, however, a search of the literature revealed that that association had not been previously observed [1]. That was the same year that excessive chemtrail activity in California became a concern of one of the authors (JMH).

Many of these majestic trees have survived droughts and infestation over periods of time as long as 3,000 years. A reasonable scientist might ask, "Why now if not before?", "What causal agents are being systematically ignored?" and "What are the consequences for other species?" Seventy years of government scientific research-funding decisions, made on the basis of anonymous peer-reviews by competitors, has led to a consensus-only paradigm. Fear of being denounced in secret reviews, with concomitant career damage or job loss, keeps scientists from challenging the consensus-approved story-line. That is not science at all. Science is about telling the truth, finding what is wrong with present perceptions, and correcting them. Case in point, the deliberate jet-sprayed particulate-pollution, sometimes referred to as *chemtrails*, illustrated in Figures 1 and 2.



Figure 1. Deliberate aerosol particulate pollution (chemtrails) above Yosemite National Park, California, USA in 2016, one of the locations where Giant Sequoias grow. Courtesy of Christoph Bengtsson Lissalde.



Figure 2. Dead Coast Redwood standing among apparently healthy trees in Redwoods National Park in Northern California USA. Photo in 2020, courtesy of Eric Cooper. Note the white haze in the sky which is characteristic of dispersed chemtrail coal fly ash.

Jet-emplaced particulate trails have been observed to be increasing in frequency, geographic range, and intensity for more than two decades. Via Internet postings and social media, citizens have expressed concern as to what is being sprayed, why, and the consequences on human and environmental health. Other than blatant efforts to deceive citizens [3], scientists [4, 5] and the public health community [6], the scientific community, with one exception [7], ignores the very-obvious chemtrail assaults on the natural environment which we described in numerous peer-reviewed scientific and medical articles [8-42].

To the best of our knowledge, scientists concerned with causes of death of the Giant Sequoia and California Coast Redwood trees do not mention or acknowledge the consequences of deliberate aerosol particulate pollution (chemtrails) as causative agents in the demise of these ancient giants. But they should. As we review here, chemtrails cause droughts, heat the atmosphere, and alter the natural environment in ways that weaken resistance to pathogen infestations.

DELIBERATE AEROSOL PARTICULATE POLLUTION (CHEMTRAILS)

Concerned citizens had started to notice white trails that stretched across the sky at least as far back as the 1990s. Typically, in a matter of minutes, these trails spread out, briefly resembling cirrus clouds before further diffusing to become a white haze in the sky. As years passed, these jet-laid white trails became more frequent and were observed over wider geographic regions. By 2012 these trails had become a near-daily, near-global occurrence (Figure 1).

In the absence of credible information from authorities, some citizens took samples of postspray rainwater for analysis at commercial laboratories and posted the results on the Internet. Most individuals only requested aluminum analyses, some also requested barium, while a few requested analyses of aluminum, barium, and strontium. One published explanation, presumably made to mislead or deceive people, is that chemtrails consist of the oxides and/or sulfates of aluminum, barium, and strontium, which are relatively harmless substances because they are practically insoluble in water. That explanation, however, is contrary to peer-reviewed analytical data that shows aluminum, barium, and strontium (and other elements) are in fact *dissolved* in rainwater!

The mystery, undisclosed by authorities, was that some unknown powdered substance, covertly jet-sprayed into the lower atmosphere (troposphere), produces chemtrails. This substance reacts with moisture, causing some of its chemical elements to be extracted into atmospheric water. Clearly, many million metric tons of this unknown substance were being jet-sprayed into the atmosphere annually, but there were no obvious sources for such massive quantities of aerosol pollutants, no conspicuous production facilities. This unknown substance was definitely not a product of nature, such as desert sand, because the Earth's surface aluminum is generally chemically bound to oxygen and does not dissolve in rainwater.

Throughout the academic scientific literature there are numerous references to a toxic waste produced by industrial coal-burning called *coal fly ash* [43-45]. The annual global production of coal fly ash reported in 2014 was 130 million metric tons [46]. This could be a sufficient supply to jet-spray as an aerosol on the scale observed. Notably, a Spanish laboratory's experiments were conducted in 2005, mixing coal fly ash with distilled water for 24 hours. The results showed that at least 38 elements were partially dissolved in the water [47]. The dissolved elements included aluminum, barium, and strontium.

Not content with using Internet-posted rainwater analyses, we personally collected or arranged for the collection and commercial analyses of post-spraying samples of rainwater and snow. The analytical results for 10 element pairs are shown in Figure 3 along with the previously mentioned Internet-posted pairs.



Figure 3. From [48], showing the similarity of element ratios measured in rainwater and snow with the range of comparable element ratios measured in the laboratory lixiviate of water-leach experiments [47, 49].

Falling snowflakes trap and bring down particles jet-sprayed into the lower atmosphere. Taking a sample of the snow, allowing it to melt, and then to evaporate left a residue that could be analyzed and compared to the range of values measured in various samples of coal fly ash (Figure 4). In areas, such as northern USA and Canada, snow mold sometimes grows atop grass beneath snow. As the snow starts to melt, the particles it trapped are released and may be trapped again on the underlying snow mold. Figure 4 also shows analytical values for element pairs from snow mold and for particles dropped from an aircraft and collected where they fell on an automobile in Encinitas, California (USA).



Figure 4. From [39], comparison of analytical results with the ranges of European [47] and American [49] coal fly ash samples.

Air pollution, the world's leading cause of environmental human fatalities, is a major contributor to noncommunicable disease. Aerosolized coal fly ash, a particularly hazardous form of air pollution, pours forth from numerous smokestacks in India and China. However, citizens of the United States, the British Commonwealth, and the European Union have been led to believe that coal-burning utilities in their countries trap this very toxic substance so it does not exit smokestacks and directly pollute the air. They do store the exhaust precipitates as solid waste, but then the utilities surreptitiously supply the coal fly ash to be covertly jet-sprayed into the very air people breathe, and presumably profit handsomely.

Coal fly ash particles contain concentrations of the most hazardous chemical elements in coal, each of which can harm the natural environment in numerous ways. For example: Aerosolized coal fly ash contaminates the environment with mercury, one of the most toxic poisons known, and known to move up the food chain [22]. Contaminating the environment with the massive quantities of iron contained in coal fly ash upsets the delicate iron balance in nature and in the bodies of exposed biota [40, 41].

Fluorine and chlorine from aerosolized coal fly ash, lofted into the upper atmosphere (stratosphere), destroys Earth's ozone layer, and exposes all surface life to the deadly ultraviolet radiation from the sun [50]. Increased exposure to ultraviolet radiation weakens trees, including Giant Sequoias, Coast Redwoods, and Torrey Pines, making them vulnerable to infestation by fungi and insects [51].

In nature, aluminum is usually locked up as inorganic oxides. Consequently, biota did not adapt evolutionary defenses to chemically mobile aluminum. However, coal fly ash chemtrail particulates upon exposure to water release aluminum in a chemically-mobile form. As noted by Sparling and Lowe [52] (in connection to consequences of acid rain): *Forest die-offs and reduced survivorship or impaired reproduction of aquatic invertebrates, fish, and amphibians have been directly connected to AI [aluminum] toxicity. Indirect effects on birds and mammals also have been identified.* We have provided evidence that chemically mobile aluminum in fog water concentrates on Torrey Pines and poisons them [34]. We expect the same to be the case for the Giant Sequoias and California Coast Redwoods [53, 54].

Years of near-daily aerosol particulate jet-emplacement along the Pacific coast of the United States and in the ocean off the coast has caused drought, atmospheric warming, and has exacerbated forest fires [23], all of which have had devastating consequences for the Giant Sequoias and California Coast Redwoods. However, there has been no mention of these by authorities.

PUBLIC DECEPTION CONCERNING TREE DEMISE

To understand the public deception regarding the die-offs of California's Giant Sequoias and Coast Redwoods, one needs only to look to another related situation, the public deception at Torrey Pines State Reserve, near San Diego, California (USA). While the present article may be the first to address the toxic environmental-modification cause of Giant Sequoia and Coast Redwood die-offs, the rare, endangered Torrey Pines have been the subject of several years of independent study that authorities have systematically ignored.

The natural ranges of Giant Sequoias, Coast Redwoods and Torrey Pines are all within California. All depend upon fog as a source of moisture. All are in decline and the reasons given are drought, bark beetles, and climate change, specifically including atmospheric heating.

At Torrey Pines State Reserve, no testing has been done even though the evidence is overwhelming that other factors are involved. First, and most obvious is the fact that Torrey Pine trees also died on Torrey Pines Golf Course, host to the Professional Golfers' Association, and directly adjacent to the Reserve. The Torrey Pines died at approximately the same percentage rate and in the same time frame as the non-irrigated trees in the Reserve. Those Golf Course trees were watered and drought could not possibly be a factor. This fact is simply ignored by authorities.

Second, a peer-reviewed scientific article entitled, "Previously Unrecognized Primary Factors in the Demise of Endangered Torrey Pines; A Microcosm of Global Forest Die-offs" published in the *Journal of Geography, Environment and Earth Science International* [34] was sent to State and local authorities in 2018. That article included an analysis of the condensed fog that dripped off Torrey Pine needles. It identified chemical toxins, especially chemically-mobile aluminum, and increasing ultraviolet radiation as primary factors in their decline. That scientific article also identified a process by which the chemical toxins, especially aluminum in a chemically mobile form, are concentrated on pine needles by deposition and evaporation, eventually dripping down to poison the roots. Both the chemical toxins and increasing ultraviolet radiation are caused by tropospheric jet-emplaced deliberate particulate pollution of our sky. Third, fungal pathogen damage was presented to environmental professionals asking for help finding out what is causing it, but no one seemed interested in looking into the problem. Samples were delivered to San Diego County Plant Pathology Laboratory on five separate occasions in 2018. This is a laboratory that provides plant diagnostic services to the local agricultural industry and the general public. They could not determine what it was. Photos of the pathogen damage were sent to the California Department of Agriculture in Sacramento. They replied over a month later and essentially said they did not know what it was. The pathogen damage was presented to the San Diego Community Forest Advisory Board in November, 2018. This is a board that advises the San Diego Mayor on urban forestry issues. They were asked to recommend to the Mayor to help investigate the cause of the pathogen damage, but they declined. Figure 5 illustrates some of the symptoms presented.



Figure 5. Examples of Torrey Pine symptoms presented to San Diego County Plant Pathology Lab, California Department of Agriculture, and San Diego Community Forest Advisory Board, showing what should have been identified as pitch canker disease. (A) Branch tip die-back; (B) Cross section shows resin of infected wood; (C) Oozing on main trunk; (D) Infection site with honey colored lesion beneath the surface.

The pathogen was subsequently identified by a certified lab to be *Fusarium circinatum*, the cause of Pitch Canker Disease in pines. The laboratory analysis is shown in Figure 6.

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i inc.	branches, rine needles					
#	Pathogen	Media	7			
1	Non-Selective (Fungal)	TPDA/Blotter	1			
2	Semi-Selective (Fusarium spp.)	КОМ	1			
3	Semi-Selective (Verticillium spp.)	NP-10]			1
4	Semi-Selective (Oomycetes)	PAR				
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1	Sample 1 - +	*				
# of Isolate(s) Sequenced						
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Com	ments:					
Fusarium sp. was consistently isolated from symptomatic (cankered) stems on semi-selective fungal isolation media						
(KOM; see #2 in results' table). DNA of the unknown Fusarium was sequenced (ITS regions of fungal ribosomal DNA						
(rDNA)). Sequence analysis (NCBI Blast analysis) matched with Fusarium verticillioides (GenBank accession number						
MK790042.1 and several others) at 98.17% identity and Fusarium circinatum (GenBank accession number						
KX276637.1 and several others) at 99.79% identity.						
The isolated Fusarium was identified as Fusarium circinatum based on DNA sequence results and its morphological						
characteristics.						
Fusarium circinatum (teleomorph = Gibberelia circinata) is the causal agent of pitch canker of pine trees.						
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Figure 6. Laboratory analysis identifying the pathogen as *Fusarium circinatum*, the cause of pitch canker disease in pines.

In an attempt to try to convince authorities to allow testing, an informal petition was put together entitled, "Ask California State Parks to Test Torrey Pine Trees for Aluminum Poisoning" (Figure 7). It was thought that this would be a simple and inexpensive test. Two thousand people signed the petition and it was submitted to California State Parks, the mayors of San Diego and Del Mar, and copies were sent to over 50 local officials and environmental professionals in April, 2019. It was all in vain, as no reply came from any governmental authority.



Figure 7. 2,000 people signed petition asking for testing of trees was submitted to authorities in April, 2019. There was no reply. To date, no testing has been done.

Public deception regarding the Torrey Pine die-off ranges from State Parks to our volunteer docent society to our environmental professionals to our elected officials to our academic institutions and to our news-media. While there is overwhelming evidence other factors are involved in the Torrey Pine die-off, (including photos of pitch canker symptoms, laboratory analysis identifying the pathogen *Fusarium circinatum*, and a scientific peer-reviewed paper documenting chemical toxins, especially chemically mobile aluminum, and damage caused by increasing ultraviolet radiation) government authorities fail to acknowledge or look into anything that differs from the official story-line of drought and beetles.

Torrey Pines are important and endangered trees. The authorities' refusal to consider pertinent data on their demise prefigures similar behavior relating to understanding of the die-offs of Giant Sequoias, Coast Redwoods, and other trees in California. Is it ignorance? Incompetence? Perhaps more likely, and we allege, it is willing complicity in the ongoing global environmental warfare sanctioned by the United Nations.

UNITED NATIONS SANCTIONED ENVIRONMENTAL WARFARE

In 1978, the United Nations entered into force an International Treaty entitled *Convention on the Prohibition of Military or Any Other Hostile Use of Environmental Modification Techniques* [55]. With such a title, what civilized nation would refuse to sign-on? Many did sign-on (Figure 8).



Figure 8. Sovereign nation Parties of the Convention on the Prohibition of Military or Any Other Hostile Use of Environmental Modification Techniques as of January 3, 2018. From [33].

Also called ENMOD, the *Convention on the Prohibition of Military or Any Other Hostile Use of Environmental Modification Techniques* [55] is a sham. It *does not*, as its title suggests, prohibit hostile use of environmental modification techniques, but instead sanctions *peaceful* use of environmental modification techniques [33]. Worse, cloaked in confusing deceptive language, this International Treaty is a *Trojan horse* that mandates Parties to engage in hostile environmental warfare against their own citizens and citizens of other sovereign nations under the guise of *peaceful environmental modification* [28, 31].

Jet-emplaced particulate pollution of the atmosphere is just one of the many possible environmental modification techniques, which according to said Treaty *refers to any technique for changing* – through the deliberate manipulation of natural processes – the dynamics, composition or structure of the Earth, including its biota, lithosphere, hydrosphere and atmosphere, or of outer space [55]. Hostile intent is clear by the high degree of secrecy, false information, and the concerted efforts to deceive the public of those operations, especially their adverse health risks [3-6], the toxic nature of the jet-sprayed pollutants and their environmental harm [8-42].

CONCLUSIONS

Die-offs of Giant Sequoias and Coast Redwoods, some of which have survived natural climate change for as long as 3,000 years, like die-offs of the rare and endangered Torrey Pines, are not natural consequences of nature. Instead, the causes of their demise are some of the adverse consequences of global governance run amuck. Environmental warfare, originally envisioned for use by adversarial nations [32, 56], has become globalized against sovereign nations and their citizens [28, 30, 31]. Through a diabolically-deceptive United Nations' International Treaty [33], *Convention on the Prohibition of Military or Any Other Hostile Use of Environmental Modification Techniques* [55], the governments of sovereign nations were coerced to wage environmental warfare against their own citizens and the natural environment under the guise of peaceful environmental modification. Direct involvement by the United Nations is indicated by the *Bulletin of the World Health Organization* rejecting without peer-review a Perspective warning of the public health consequences of the tropospheric particulate aerial spraying [25].

Participation and/or acquiescence in this environmental warfare, we allege, constitutes crimes against humanity and the environment.

References

- 1. Stephenson, N.L., et al., Patterns and correlates of giant sequoia foliage dieback during California's 2012–2016 hotter drought. Forest ecology and management, 2018. 419: p. 268-278.
- 2. Preisler, H.K., et al., Analysis and out-year forecast of beetle, borer, and drought-induced tree mortality in California. Forest Ecology and Management, 2017. 399: p. 166-178.
- 3. http://www.nuclearplanet.com/USAF.pdf
- 4. Shearer, C., et al., Quantifying expert consensus against the existence of a secret large-scale atmospheric spraying program. Environ. Res. Lett., 2016. 11(8): p. p. 084011.
- 5. Tingley, D. and G. Wagner, Solar geoengineering and the chemtrails conspiracy on social media. Palgrave Communications, 2017. 3(1): p. 12.
- 6. http://www.nuclearplanet.com/Retraction_Deception.html
- 7. El Husseini, M.M., Weather Engineering and its Undesirable Side Effects on the Environment, Natural Resources, Agriculture and Human. Acta Scientific Agriculture, 2019. 3.7.
- 8. Herndon, J.M., Aluminum poisoning of humanity and Earth's biota by clandestine geoengineering activity: implications for India. Curr. Sci., 2015. 108(12): p. 2173-2177.
- Herndon, J.M., Obtaining evidence of coal fly ash content in weather modification (geoengineering) through analyses of post-aerosol spraying rainwater and solid substances. Ind. J. Sci. Res. and Tech., 2016. 4(1): p. 30-36.
- 10. Herndon, J.M., Adverse agricultural consequences of weather modification. AGRIVITA Journal of agricultural science, 2016. 38(3): p. 213-221.
- 11. Herndon, J.M., An indication of intentional efforts to cause global warming and glacier melting. J. Geography Environ. Earth Sci. Int., 2017. 9(1): p. 1-11.
- 12. Herndon, J.M., Evidence of variable Earth-heat production, global non-anthropogenic climate change, and geoengineered global warming and polar melting. J. Geog. Environ. Earth Sci. Intn., 2017. 10(1): p. 16.
- 13. Herndon, J.M., An open letter to members of AGU, EGU, and IPCC alleging promotion of fake science at the expense of human and environmental health and comments on AGU draft geoengineering position statement. New Concepts in Global Tectonics Journal, 2017. 5(3): p. 413-416.
- 14. Herndon, J.M., Air pollution, not greenhouse gases: The principal cause of global warming. J. Geog. Environ. Earth Sci. Intn., 2018. 17(2): p. 1-8.
- 15. Herndon, J.M., Scientific misrepresentation and the climate-science cartel. J. Geog. Environ. Earth Sci. Intn., 2018. 18(2): p. 1-13.
- 16. Herndon, J.M., Fundamental climate science error: Concomitant harm to humanity and the environment J. Geog. Environ. Earth Sci. Intn., 2018. 18(3): p. 1-12.
- 17. Herndon, J.M., Role of atmospheric convection in global warming. J. Geog. Environ. Earth Sci. Intn., 2019. 19(4): p. 1-8.
- 18. Herndon, J.M., World War II holds the key to understanding global warming and the challenge facing science and society. J. Geog. Environ. Earth Sci. Intn., 2019. 23(4): p. 1-13.
- 19. Herndon, J.M., True science for government leaders and educators: Obama's U.S. EnvironmentalProtection Agency corruption. Advances in Social Sciences Research Journal, 2020. 7(7): p. 520-531.
- 20. Herndon, J.M., R.D. Hoisington, and M. Whiteside, Chemtrails are not contrails: Radiometric evidence. J. Geog. Environ. Earth Sci. Intn., 2020. 24(2): p. 22-29.

- 21. Herndon, J.M. and M. Whiteside, Further evidence of coal fly ash utilization in tropospheric geoengineering: Implications on human and environmental health. J. Geog. Environ. Earth Sci. Intn., 2017. 9(1): p. 1-8.
- 22. Herndon, J.M. and M. Whiteside, Contamination of the biosphere with mercury: Another potential consequence of on-going climate manipulation using aerosolized coal fly ash J. Geog. Environ. Earth Sci. Intn., 2017. 13(1): p. 1-11.
- 23. Herndon, J.M. and M. Whiteside, California wildfires: Role of undisclosed atmospheric manipulation and geoengineering. J. Geog. Environ. Earth Sci. Intn., 2018. 17(3): p. 1-18.
- 24. Herndon, J.M. and M. Whiteside, Further evidence that particulate pollution is the principal cause of global warming: Humanitarian considerations. Journal of Geography, Environment and Earth Science International, 2019. 21(1): p. 1-11.
- 25. Herndon, J.M. and M. Whiteside, Geoengineering: The deadly new global "Miasma". Journal of Advances in Medicine and Medical Research, 2019. 29(12): p. 1-8.
- 26. Herndon, J.M. and M. Whiteside, Geophysical consequences of tropospheric particulate heating: Further evidence that anthropogenic global warming is principally caused by particulate pollution. Journal of Geography, Environment and Earth Science International, 2019. 22(4): p. 1-23.
- 27. Herndon, J.M. and M. Whiteside, Unacknowledged potential factors in catastrophic bat die-off arising from coal fly ash geoengineering. Asian Journal of Biology, 2019. 8(4): p. 1-13.
- 28. Herndon, J.M. and M. Whiteside, Global Environmental Warfare. Advances in Social Sciences Research Journal, 2020. 7(4): p. 411-422.
- 29. Herndon, J.M. and M. Whiteside, Aerosol particulates, SARS-CoV-2, and the broader potential for global devastation. Open Access Journal of Internal Medicine, 2020. 3(1): p. 14-21.
- 30. Herndon, J.M. and M. Whiteside, Technology Bill of Rights needed to protect human and environmental health and the U. S. Constitutional Republic Advances in Social Sciences Research Journal, 2020. 7(6).
- 31. Herndon, J.M. and M. Whiteside, Environmental warfare against American citizens: An open letter to the Joint Chiefs of Staff. Advances in Social Sciences Research Journal, 2020. 7(8): p. 382-397.
- 32. Herndon, J.M., M. Whiteside, and I. Baldwin, Fifty Years after "How to Wreck the Environment": Anthropogenic Extinction of Life on Earth. J. Geog. Environ. Earth Sci. Intn., 2018. 16(3): p. 1-15.
- 33. Herndon, J.M., M. Whiteside, and I. Baldwin, The ENMOD treaty and the sanctioned assault on agriculture and human and environmental health. Agrotechnology, 2020. 9(191): p. 1-9.
- 34. Herndon, J.M., D.D. Williams, and M. Whiteside, Previously unrecognized primary factors in the demise of endangered torrey pines: A microcosm of global forest die-offs. J. Geog. Environ. Earth Sci. Intn. , 2018. 16(4): p. 1-14.
- 35. Whiteside, M. and J.M. Herndon, Coal fly ash aerosol: Risk factor for lung cancer. Journal of Advances in Medicine and Medical Research, 2018. 25(4): p. 1-10.
- 36. Whiteside, M. and J.M. Herndon, Aerosolized coal fly ash: Risk factor for neurodegenerative disease. Journal of Advances in Medicine and Medical Research, 2018. 25(10): p. 1-11.
- 37. Whiteside, M. and J.M. Herndon, Aerosolized coal fly ash: Risk factor for COPD and respiratory disease. Journal of Advances in Medicine and Medical Research, 2018. 26(7): p. 1-13.
- 38. Whiteside, M. and J.M. Herndon, Previously unacknowledged potential factors in catastrophic bee and insect die-off arising from coal fly ash geoengineering Asian J. Biol., 2018. 6(4): p. 1-13.
- 39. Whiteside, M. and J.M. Herndon, Aerosolized coal fly ash: A previously unrecognized primary factor in the catastrophic global demise of bird populations and species. Asian J. Biol., 2018. 6(4): p. 1-13.
- 40. Whiteside, M. and J.M. Herndon, Role of aerosolized coal fly ash in the global plankton imbalance: Case of Florida's toxic algae crisi. Asian Journal of Biology, 2019. 8(2): p. 1-24.

- 41. Whiteside, M. and J.M. Herndon, Geoengineering, coal fly ash and the new heart-Iron connection: Universal exposure to iron oxide nanoparticulates. Journal of Advances in Medicine and Medical Research, 2019. 31(1): p. 1-20.
- 42. Whiteside, M. and J.M. Herndon, COVID-19, immunopathology, particulate pollution, and iron balance. Journal of Advances in Medicine and Medical Research, 2020. 32(18): p. 43-60.
- 43. Borm, P.J.A., Toxicity and occupational health hazards of coal fly ash (cfa). A review of data and comparison to coal mine dust. Ann. occup. Hyg., 1997. 41(6): p. 659-676.
- 44. Roy, W.R., R. Thiery, and J.J. Suloway, Coal fly ash: a review of the literature and proposed classification system with emphasis on environmental impacts. Environ. Geology Notes #96, 1981.
- 45. Walls, S.J., et al., Ecological risk assessment for residual coal fly ash at Watts Bar Reservoir, Tennessee: Site setting and problem formulation. Integrated environmental assessment and management, 2015. 11(1): p. 32-42.
- 46. Dwivedi, A. and M.K. Jain, Fly ash-waste management and overview: A Review. Recent Research in Science and Technology, 2014. 6(1).
- 47. Moreno, N., et al., Physico-chemical characteristics of European pulverized coal combustion fly ashes. Fuel, 2005. 84: p. 1351-1363.
- 48. Herndon, J.M., D.D. Williams, and M. Whiteside, Previously unrecognized primary factors in the demise of endangered torrey pines: A microcosm of global forest die-offs. J. Geog. Environ. Earth Sci. Intn., 2018. 16(4): p. 1-14.
- 49. Suloway, J.J., et al., Chemical and toxicological properties of coal fly ash, in Environmental Geology Notes 105. 1983, Illinois Department of Energy and Natural Resources: Illinois.
- 50. Herndon, J.M., R.D. Hoisington, and M. Whiteside, Deadly ultraviolet UV-C and UV-B penetration to Earth's surface: Human and environmental health implications. J. Geog. Environ. Earth Sci. Intn., 2018. 14(2): p. 1-11.
- 51. Vanhaelewyn, L., et al., Ultraviolet Radiation From a Plant Perspective: The Plant-Microorganism Context. Frontiers in plant science, 2020. 11: p. 1984.
- 52. Sparling, D.W. and T.P. Lowe, Environmental hazards of aluminum to plants, invertibrates, fish, and wildlife. Rev. Environ. Contam. Toxicol., 1996. 145: p. 1-127.
- 53. Burgess, S. and T. Dawson, The contribution of fog to the water relations of Sequoia sempervirens (D. Don): foliar uptake and prevention of dehydration. Plant, cell & environment, 2004. 27(8): p. 1023-1034.
- 54. Ewing, H.A., et al., Fog water and ecosystem function: heterogeneity in a California redwood forest. Ecosystems, 2009. 12(3): p. 417-433.
- 55.http://www.un-documents.net/enmod.htm
- 56.https://www.cia.gov/library/readingroom/docs/CIA-RDP78-03425A002100020014-2.pdf