

Fulvic Acid . . .The Missing Link

Lyle Loughry, October 2007

Recently, scientists have revealed that there is a “missing link” in our food chain, and that we’re paying a tremendous price, healthwise, for that absence. That “missing link” is Fulvic acid(s). Though virtually unknown to the layman, there is perhaps no substance more vital to life (with the possible exception of oxygen and water) than the biologically-derived compounds known as Fulvic acids”

Despite the fact that scientists, world-wide, have published thousands of papers relative to fulvic acid(s) and their effect on living matter, until recently most of the world didn’t even know it existed, couldn’t detect it, and when they did identify this substance, it was so complex they couldn’t understand it, and, frankly if they did, you would never hear much about it. That’s because some of the medical institutions doing the research are in the business of making enormous profits from developing patented, synthetic drugs, and it really isn’t in their best interest for you to know about inexpensive, natural health solutions, like this one. They’re finding out that Mother Nature has them all beat, and they’ll never be able to match the creator’s complex handiwork.

Fulvic acid(s) is the end-product of nature’s Humification process; the final stage of decomposition of all once-living matter, especially plants. Fulvic acid(s) contain ALL of the phytochemical protective substances; amino acid peptides, nucleic acids, etc., from the original plant matter, highly concentrated and refined. They have been transformed, and enhanced by the actions of billions upon billions of microscopic plants, such as yeasts, algae, and fungi. This makes it the most HIGHLY REFINED, natural water-soluble substance on earth, and nature’s most important form of protection and defense for plants, animals . . .and mankind!

Fulvic acid(s) is created by microbial activity at the roots of plants. It’s function is to dissolve and convert the metallic and clay-based mineral molecules found in soils into a form that is usable by plants, animals and humans. Once the minerals are dissolved, plants will uptake through their root system the powerful fulvic acid substance that is gorged with dissolved minerals and trace elements. Supplements high in fulvic acid content come from ancient deposits of lush plant matter that existed long before chemicals, pesticides, and other harmful substances did. The source of the fulvic acid in today’s plant-derived mineral products (if any) dictates the fulvic acid concentration, and can vary from deposits to deposit, similar to the way minerals are found in veins throughout the world.

Originally, nature made fulvic acid(s) abundantly available and obtainable, but like so many things, man has interfered with this vital process, and it is no longer available in sufficient quantities in the food we consume. For over 50 years, the food crops that we all depend on have been products of chemical farming, and as a result these foods contain little, if any, of this miracle molecule. These deficient, pesticide-laden products are turned into “cash” which the producer considers the bottom line. Lacking in organic trace elements and other nutritional factors, but long on chemical residues from pesticides, insecticides and herbicides, these nutritionally hollow products end up on the tables of America. Without taste, and deficient in organic minerals and nutrients, we peel, boil and overcook what is left, and ask “why do I hurt?” A very small percentage of the agricultural lands in the United States are fertile enough to produce nutritious and healthy foods. An honest effort in attempting to select a healthful diet from grocery shelves may be a nutritional disaster. Unless you are fortunate enough to organically grow your own foods, supplementation is an absolute necessity. The seriousness of this dilemma can be found in his statement made in 1991 by former Surgeon General, C. Everett Koop; “Fifteen out of every twenty one deaths in America is nutrition-related.”

Fulvic acid(s) enters into all life processes within plants and animals, and wears many hats. When necessary, they act as free-radical scavengers; supply vital electrolytes; enhance transport, and increase assimilation of vitamins and essential major and trace elements by dissolving them into the simplest ionic form, absorbing them into the fulvic structure, and transporting them through membranes and cell walls; catalyze enzyme reactions; stimulate metabolism; make water wetter, and demonstrate amazing capacity for electrochemical balance, among many actions.

Every living organism on earth; plant, animal, and you and me, experiences a lifelong battle against viruses, bacterial infection and disease, and we've been steadily losing that battle for a long time, in case you haven't noticed. This intense battle for survival continues and even becomes more intense among soil-based microscopic plants, during the decomposition process. Billions upon billions of defense mechanisms are produced, passed down, and recycled at every stage of life . . . and through many stages of decomposition. As these substances are recycled, they continually become smaller and smaller, and more refined (naturally). At the very last, they become water soluble, and turn into Fulvic acid(s). The plant defense mechanisms that ultimately become Fulvic acid(s) are nearly immortal, and remain intact, never breaking down or being used up. They naturally become more highly refined and take on unusual properties.

These protective substances are tiny fragments of DNA, the building blocks of Fulvic acid(s). They have imparted health and longevity to every generation of living organism along their path of existence, and they continue, even now, to pass it on to us. When Fulvic acid(s) is dissolved and combined with water, the water is literally transformed. It's molecular structure is changed, and it becomes more organized. Scientists have witnessed that the water becomes "energized", and is able to transmit unusual biological "messages" to living organisms. They have gone so far as to describe this phenomenon as "memory." In the same way that colostrum, a nursing mother's first breast milk, carries messages to alert the offsprings undeveloped immune system to known disease invaders, fulvic acid(s), likewise, carries a message of "warning" with it, if you will, of past battles with disease invaders.

The battle scars are indelibly etched within the fulvic acid(s) refined molecular structure, and even includes remnants of DNA from past invaders. Fulvic acid(s) appears to be "alive" with nature's very own energy, and it is intimately tied to the very spark of life. It is perhaps the world's most complex enzyme, complete with life, life-like qualities and function. In essence, it is "nourishment" from the Creator, meant to give life, energy, health, immunity, and renewal to the entire earth; animals, humans, plants, and all living organisms. Thousands of scientific studies exist to prove fulvic acid(s) function of cleansing the entire surface of the earth of pollution, pesticides and toxins of all kinds. Russian scientists used fulvic acid(s) to assist in the clean-up of the Chernobyl nuclear disaster, including the soil, animals, and people exposed to the radiation. Hundreds of advanced studies from scientists all around the world proclaim the benefits of this awesome substance as, "incredible", "amazing", "miraculous", "magical", and "phenomenal."

Dr. William R. Jackson, President of Environmental Care & Share, Incorporated, is quoted as saying, "If the Creator felt that it was necessary to design something to solve multiple problems, and if this Creator wanted to show us the magic and miracle of pulling 'rabbits from a hat,' then an outstanding job was done with the design of fulvic acid." Dr. Jackson was awarded First Place in the Non-Fiction Book category of the 1994 National Self-Publishing Awards by Writer's Digest for his book, Humic, Fulvic and Microbial Balance, Organic Soil Conditioning. Understanding the power of Fulvic acid(s) prompted leading University of Boston research scientist, Dr. Clyde Sandgrin, to say, "If I had to choose between fulvic acid(s) and electricity, electricity would have to go." Other scientists claim that there would be no life on planet Earth without fulvic acid(s).

An extraordinary example of the “unusual properties” mentioned earlier is the dramatic ability of Fulvic acid(s) to penetrate deadly ultra-microscopic viruses. Viruses are super small, and they live deep inside the cells of plants, animals and humans. They even live inside other microscopic disease-causing organisms, where they “hitch-a-ride”, so to speak, and encapsulate themselves within an impenetrable protein barrier where defense mechanisms can't get to them. Fulvic acid(s) help to dissolve these barriers, penetrate their strongholds, and neutralize the viruses, and their poisons. This makes them vulnerable to attack by the body's God-given immune system, which has been previously alerted to the presence of the virus or disease invader by the Fulvic acid(s), themselves. This helps regulate and strengthen the immune system's defenses. Another “unusual property” is it's ability to transport many times its weight in dissolved nutrients and elements. Fulvic acid(s) is so powerful that one (1) single fulvic acid molecule is capable of transporting sixty (60) or more minerals and trace elements into the cells.

Fulvic acid(s) also destroys acid in the body fluids, increasing the amount of oxygen in the blood. Excess body acidity is associated with virtually all degenerative diseases; including arthritis, cancer, depressive disorders, heart disease, kidney stones, osteoporosis, sleep disturbances, tooth decay, and many more.

Fulvic acid(s) has the ability to complex and remove heavy metals, herbicides, radioactive elements, and other pollutants from the body, either altering them into usable compounds or eliminating them as waste. Because fulvic acid(s) are organic, they will not build up in the body tissues, as do metallic and clay-based minerals. When metals, minerals and trace elements become “complexed” into fulvic acid(s), they take on an entirely new property of availability, quite unlike their original form. Cells, when presented with various fulvic acid(s) complexes, have the ability to accept or reject the minerals, including aluminum, lead, arsenic, mercury, etc, at their discretion. This is very significant, because, while the minerals might not be necessary to nourish the cells, they may be needed to act as electrodes, essential for bio-reactions, electron transfer, catalytic reactions and transmutations.

Another “unusual property” is the fact that Fulvic acid(s) carries both a negative and a positive charge, and can behave as an electron doner or receptor, depending on the need. If the individual cell is restored to its normal chemical balance and electrical potential, we have given cells new life, where death and disintegration would have occurred. If those regenerated cells belonged to a liver, heart, thyroid or brain, those organs could have the potential to return to peak performance.

Pharmaceutical companies and private researchers in many nations have done considerable work in the area of safety testing of humic and fulvic acids for human medical use. High quality fulvic acid(s) preparations have been proven to be effective, safe, and non-toxic for human internal and external uses. Extensive medical studies show that the toxicity of naturally-occurring fulvic acids is remarkable low, and are neither carcinogenic nor mutagenic. Regarding it's safety where children are concerned, prenatal embryotoxic or fetus developmental malformation effects have not been observed with fulvic preparations at daily dose levels from 5-50 milligrams per kilogram embryo or body weight. Topical preparations are exceptionally safe and are tolerated remarkably well.