

ABOUT THE AUTHOR: A.P.B. Uiterwijk Winkel MSc

■ The author graduated from Wageningen University and Research Centre (WUR) in the field of wastewater treatment and environmental problems. Until his retirement in 2004, he worked as a civil servant at The Department of Waterways and Public Works. This Department 'Rijkswaterstaat' is part of the Ministry of Transport and Water Management.

His work compromised different environmental interfaces: water quality, funding, water treatment, soil remediation, waste management, landfills, dredging (depots) and licensing. It mainly concerned pollution, remediation and grant money.

See: General Introduction (**Document A1**), Author's CV (**Document A2**) and Summary (**Document A3**).

■ At the end of the 1970s, the author became interested in the biochemical structure of living matter (**Documents B1, B2, B3, B4**). From 1985 – 2000 he exposed the basic structure and re-formulated this structure in the form of the Six Laws of the biochemistry of living matter. He concluded that all living matter in the universe is based on exactly the same biochemistry as on Earth.

■ As time went by he realized that physics, chemistry, biochemistry, nuclear physics, particle physics and astrophysics form one inseparable whole in which everything fits together logically. It was during this time that he starting searching for the logic and the main lines within the whole.

Later his vision widened from elementary higgs particles (**F1a 2014**) to protons and electrons (**F1c**), followed by the structure of atoms (**F1d + F1e**) and then to the processes on the scale of the universe itself: the universe and its energy-neutral cycle of 29 phases; (**Documents G**).

■ The author also encountered the presence of a large number of basic errors in the foundation on which Science is based; (**Document J2**). Today, in 2016, nobody seems to have realized the presence of these basic errors. These errors include:

- The Theory of Relativity (**Document G5**) and the related Big Bang Theory (**Document G6**);
- Bohr's atom model with neutrons in the nucleus, (**Document F1d and relating Figures**);
- A system with only two elementary forces (electric charge and magnetic spin) rather than the current system with four basic forces (2016). (**Documents F1a 2014, F1c and F1d**);
- The characteristics of black hole atoms and black holes, (**Documents F1e and C3**);
- The current Standard Model. *

* See the author's theoretical model with only four elementary higgs particles in **Document F1a 2014 and related Figures**.

■ The 25 questions of **David Gross (Document J1)** are the direct result of the interwoven errors that are maintained by the scientific and professional literature. These errors will continue to exist until science removes them (**J2**). In these documents the author analyzes above mentioned errors and he creates alternatives to correct them.

■ As a result of these findings, the foundation of science as we know it, will be affected to its core. It is therefore not surprising that these new concepts are not likely to be accepted as there has been much resistance in accepting the author's vision (2016).

Finally, it will be difficult to find any scientist to help him with the mathematical modeling of the cycle of the universe (**Documents G7 + G8**).

■ Many scientific studies continue to enlarge the details without paying attention to the errors or give an adequate view on the bigger picture and consistency from the smallest Higgs level to the level of the universe and the complete cycle of the universe which consists of 29 phases and a time cycle of about 2.5 – 3.0 trillion (10^{12}) years. This is exactly what the author tries to accomplish by publishing his findings on the website www.uitewijkwinkel.eu.

For the first time one overall vision is elaborated upon. This is new in the world of Science!

The current research and publications contain many ingrown errors. All the findings from the research, results in an avalanche of publications which are often based on erroneous assumptions. This causes the errors to stay alive while preserved in the literature and they then spread like viruses.

■ In addition, many of these publications in journals are only accessible after payment has been done, while the research itself is funded and executed with the help of the taxpayers money. This is the result of a strange and unacceptable power state or monopoly of the publishers of scientific journals. The results of the studies done through public funding are not freely accessible on the Internet.

For this reason and because of the fundamental errors which were identified (**J2**) it does not encourage the author to use the current literature as a reference.

■ The author bases his knowledge on the classic physics and chemistry as it is being taught in high schools and at universities. He also tested the basic 'facts' on logic and consistency. The result of his study created the need to systematically re-define all the natural forces in nature ranging from the higgs level to the level of atoms and those of the periodic table and of black hole atoms. He also concluded the origin of mass, electric charge, spin and matter.

See **Documents F1a 2014 F1b, F1c, F1d and F1e**.

■ The author also explains the phenomena of *gravity* and the related *gravitational energy*. See **Documents E3 and E3-1**. This has resulted in significant adjustments to **Newton's** universal law of gravity and to **Einstein's** interpretation of gravity, among others, by adding the additional correction factor $\cos \alpha$ to their formulae. With $\cos \alpha$ added to the current formula there is much more gravity, mass, matter and energy in the universe. Furthermore, with the addition of factor $\cos \alpha$, phenomena such as 'dark mass' and 'dark matter' can be explained.

In fact '*dark energy*' in the universe is nothing but *gravitational energy*! This energy in the universe cannot be observed or measured from Earth even though it is present. Fortunately, it is possible to calculate the gravitational energy assuming the spherical shell shape as a balloon-like model of the universe and defining the center *C* of the universe!

■ In **Document F1c** the author outlines the transition from 'mass' to 'matter' and he then defines these physical concepts. In the universe, photons, without matter, are transformed to the construction of photons in the form of proto-protons and proto-electrons to which is added $E = \frac{1}{2}mc^2$ as rotational energy during a period of about 14 – 18 billions of years. With this energy the quantity of anti-matter is added to mass and to structures of neutrinos and photons.

All photons disappear in time! These 14 – 18 billion light-years is our maximum horizon of the universe. The current universe is about 40 – 45 billion years old!

In **Document F1b** the author outlines the spatial constructions of neutrinos and photons.

In **Document F1c** he describes the further advancement of the structures of photons into protons and electrons. At first the proton and the electron only result in the formation of the hydrogen atom and molecule.

It is only from hydrogen that the formation of the elements of the *periodic table* results due to fusion throughout the universe; see **Document F1d**. The *periodic table* is applicable throughout the universe!

■ The author describes the *29 phases of the cycle of the universe* that continues from the Little Bang until the next one in a cycle of approximately $2.5 \pm 0.5 \times 10^{12}$ trillion years (see **Documents G3, G4, G6, G7 and G8**). He describes the expansion and contraction of the universe with its supernovae, the formation of the elements of the *periodic table* and the subsequent formation of galaxies and solar systems.

Gravity inhibits the expansion of the spherical shell of the universe at all times and everywhere. In the next 400 – 450 billion years, the 4 – 20 billion (10^9) galaxies in the universe, each with billions of stars, will eventually be completely consumed by their own central black hole. In the meantime, all the energy, emitted by stars, is transformed to protons, electrons and hydrogen.

At this stage, the views of the author regarding the cycle of the universe, as described in Documents **G7 / G8**, are purely qualitative. All phases in the cycle of the universe, and thus the cycle of the universe as a whole, can be translated into mathematical models and numerical models.

The *fundamental flaws* in the assumptions of the Theory of Relativity (**G5**) become apparent immediately. Therefore, on the basis of a mathematical model the universe and its cycle can be explained fully and quantitatively. With these models the past and the future of the universe can be quantified!

■ The author expects that these documents and mathematical modeling of the universe and its cycle, will have far-reaching implications for the foundation of the sciences.

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Zwijndrecht, the Netherlands, January 22 2016 *)

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