

**A Proposed Methodology to benefit from the BioGeometry  
Science in design  
"Application on Metal Constructions and Architectural Ceramics -  
Interdisciplinary Study "**

**Assist. Prof. Dr. Waleed Ebrahim Hassen**

Assistant Professor, Metal furniture & construction Dept, Faculty of Applied Arts,  
Helwan University  
[drwel.1977@gmail.com](mailto:drwel.1977@gmail.com)

**Dr. Shaimaa Osama Abdel Hamid**

Lecturer, Ceramic Dept, Faculty of Applied Arts, Helwan University

**Introduction:**

At the present time, the international academic institutions are moving towards interdisciplinary research studies, which has created the importance of this type of studies at the level of applied arts disciplines. The intellectual methodology based on interdisciplinary studies between the various disciplines of applied arts leads to high quality design outputs, with complementary information based on convergence of knowledge and science in common disciplines. BioGeometry is one of the sciences that aims at reaching the appropriate design solutions compatible with human energy in the design of architectural spaces, including the design of metal structures and architectural ceramics by introducing a balance between different design elements. BioGeometry is based on geometric shapes, in all types of energies and then rebalance the function. In addition to geometric shapes, the BioGeometry uses the energy of color, sound, motion and the various oscillations between them, which are also translated into angles, ratios and geometric relationships. As the forms based on the geometry of biogeometric composition have a significant importance in the concentration of energies and useful dispersion of harmful energies, and that affect negatively or positively on the user directly or indirectly.

**Research problem:**

The search problem stems from the following questions:

1. How can BioGeometry foundations be used in inter-design between metal constructions and architectural ceramic disciplines?
2. Does the proposed BioGeometry methodology, which aims to create new designs of metal constructions and architectural ceramics, be able to improve the biological system of the user?
3. Does the proposed BioGeometry methodology lead to a design and cognitive integration between the metal constructions and architectural ceramic disciplines?

**Research Objective:**

The aim of this research is to develop a methodology for the use of BioGeometry science in the design of metal constructions and architectural ceramic as an internal study between disciplines metal furniture and constructions and ceramics.

**Research Methodology:** The research follows the descriptive approach to conducting this research study.

**The research studied the following topics: -**

**1. Energy forms and sciences (historical dimension - classification).**

This section presents the classification of energy forms into four main groups as follows:

- **Energy Lines** (Ley Lines-Black Streams-Geological faults)
- **Energy Spots and Spirals** (Energy Power Spots- Energy Vortex)
- **Global Geomagnetic Grids** (Hartmann grid - Curry grid -Benker Cubic grid - Schneider grid- Schneider Second grid- Global Zones)
- **Energy Drains, Waves and Elements** (Energy Drains- Energy -Clouds or Fogs - Schumann Waves- Radioactive Elements)

This section also deals with traditional measuring instruments such as pendulum and sensor stick, which measure energy qualitatively rather than quantitatively, as well as modern measurement methods. It is based on the quantitative measurement of electromagnetic energy. The modern methods measure either the current energy oscillators such as high frequency detectors) Or electric energy by a voltmeter or micro ammeter or magnetic energy by a magnetometer or an aurameter electro magnetometer or a gauss meter, and the intensity of the site can be measured by means of a device Measuring energy Bovis biometer or the measurement of the radioactivity of the site by the Geiger Counter. The most recent and widely used modern surveyor is Etascan.

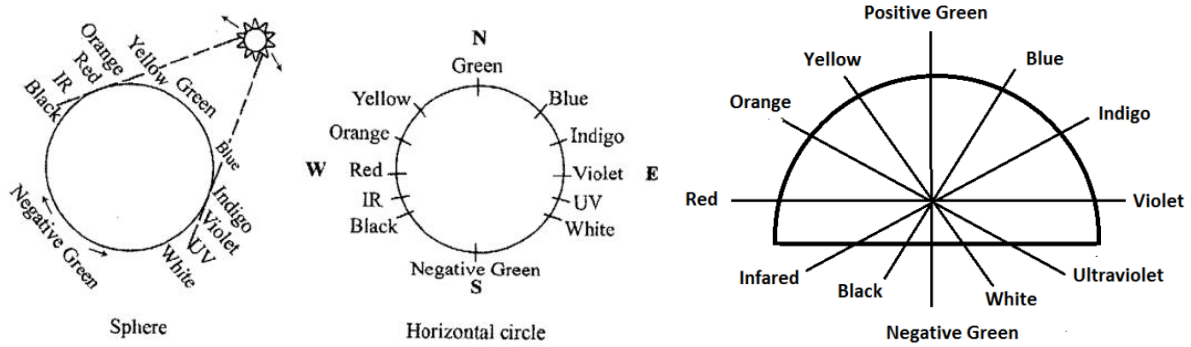
**2. BioGeometry science (concept - philosophical thought - design application).**

This section presents BioGeometry concept, philosophical thought and design application, Per Dr. Karim, the definition of BioGeometry is: "The science of establishing harmony in energy quality exchange between biological fields and their environment, through the use of a design language of form, color, motion and sound." It is the resulting subtle energy harmony, which brings about the healing qualities of BioGeometry.

Thus, BioGeometry deals with shapes, colors, sound, etc. to interact with energy fields to produce a balancing effect on multiple levels on biological systems. It focuses on vibrational qualities of 3 energy fields which produces balancing.

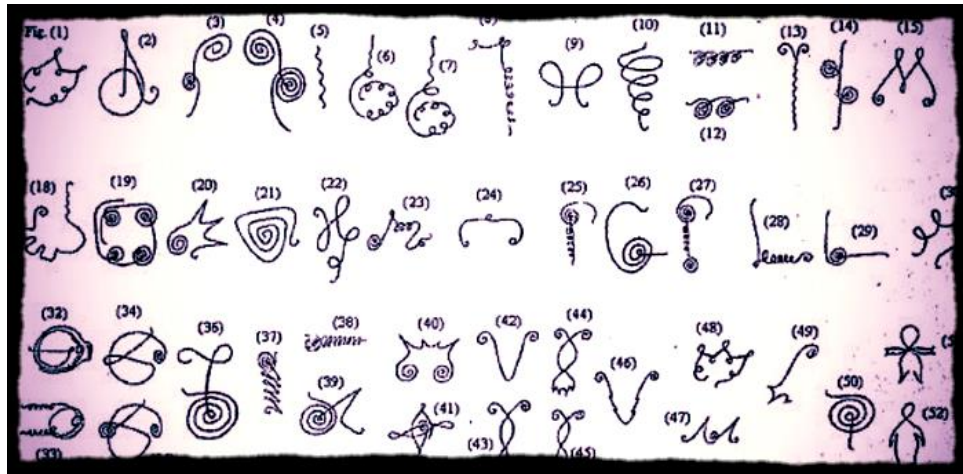
Energy levels according to BioGeometry : there are three energy levels according to BioGeometry :-

- 1: Gold (the quality of gold at the higher levels)
- 2: Ultraviolet (the adaptive energy of ultraviolet energy at higher levels)
- 3: Horizontal negative green (the harmonic quality energy of negative green energy at the upper levels)



Energy levels according to BioGeometry

Dr. Ibrahim Karim to put the BioSignatures, BioSignatures are linear diagrams which resonate with the energy patterns of organs in the body. The BioSignatures produce harmonization and introduce BG3 in the organs, clear energy blockages and result in energy balancing.



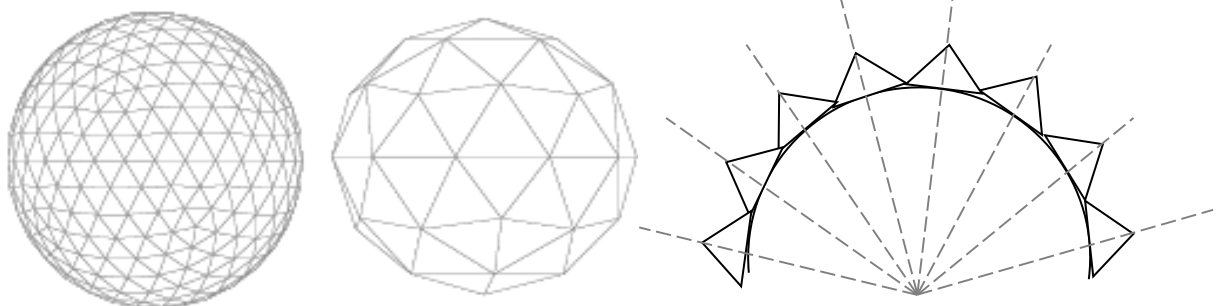
Bio signature

**3 -BioGeometry applications in the design of metal constructions and architectural ceramic.**

**1- BioGeometry applications in the design of metal constructions**

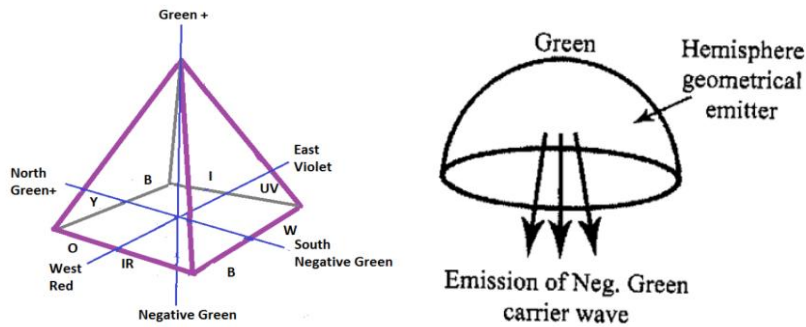
**a-Geodesic Domes**

In terms of energy science, the formal configuration of geodesic domes is a spherical form consisting of pyramid shapes that are oriented towards the center of this sphere shape as follows:



The negative green waves come out intensively from the middle axis of the pyramidal and hemispherical shape, producing horizontal negative green waves, positive waves of positive

energy It also generates the Vertical Negative Green waves, which are harmful waves of negative energy as follows:



### b-Tensegrity Structures

Based on Foller's thought and philosophy that Tensegrity is the coexistence of counter-pairs of basic natural laws such as push and pull, pressure and tension, or aversion and attraction, it expresses the equilibrium between the energies of fundamental phenomena as these phenomena are not contradictory but integrals that must always be present with each other, which is in accordance with the biogeometric philosophy. Therefore, the ideal behavior of the positive positive energies will follow the pattern of these facilities and the negative energies will be directed outside this system which corresponds to the nature, especially since the formal pattern followed by these establishments is compatible with Beogaomitri with the trend toward self-forms (both hierarchical or half-spherical) that correspond to the emission of green negative horizontal.



### 2- BioGeometry applications in architectural ceramic.

The role of ceramics can be summarized architecturally from a biogeometric perspective in the following:

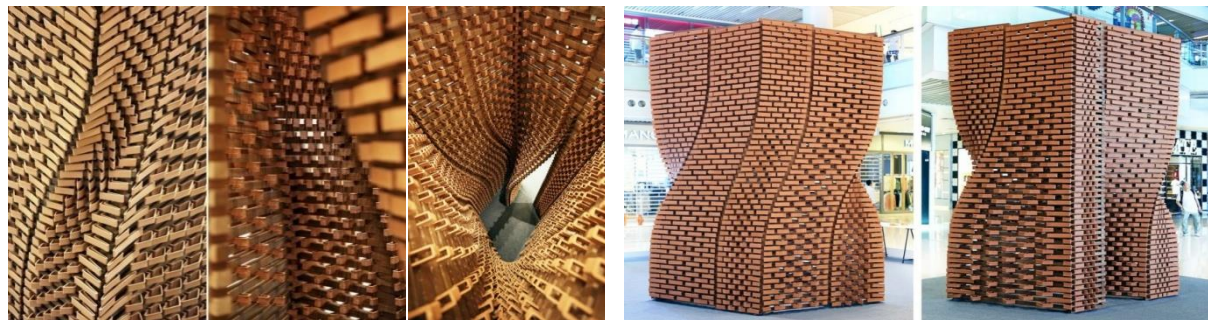
The use of brick molds as a structural and decorative element in the architecture externally and internally with emphasis on the conical shape to find a balanced energy and a continuous source of emission (green negative horizontal)



The use of biogeometric forms in the design of ceramic architectural elements and selection of places to place them to suit the energy paths



It creates a certain kind of life within the form. This life is what we call the self-energy of the shape



This twisting tower is made out of 2,000 3D-printed terracotta bricks

#### **4- Discussion and methodology proposed to benefit of BioGeometry science in the design of metal constructions and architectural ceramic.**

This interdisciplinary study aimed at the design of metal constructions and architectural ceramic towards the unification of competencies and specialized knowledge at different levels of interaction in order to achieve a set of objectives:

- 1- Knowledge producing
- 2- Knowledge Merging
- 3- modes of thinking
- 4- Integration

#### **Research Results:**

The research found the following results:

- Through the BioGeometry methodology, new designs of metal constructions and architectural ceramics can be developed that can improve the user's biological system, which can be achieved effectively by maximizing internal energy quality and eliminating potential harmful effects during the design process.
- BioGeometry can introduce balance energy into metal constructions and architectural ceramics at the lowest possible cost. It does not require complex devices or high material possibilities, but all that is needed is to apply some of the design elements that the designer can apply easily.
- The BioGeometry provides design solutions for existing or already established (either furniture, metal constructions, or architectural ceramics without any modification to industry standards).

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