



# **SCIENTIFIC RESEARCH OF THE SCO COUNTRIES: SYNERGY AND INTEGRATION**

**上合组织国家的科学研究：协同和一体化**

**Materials of the  
International Conference**

**Date:  
March 11-12**

**Beijing, China 2019**

# 上合组织国家的科学研究：协同和一体化 国际会议

## 参与者的英文报告

### International Conference “Scientific research of the SCO countries: synergy and integration”

#### Part 4: Participants' reports in English

2019年3月12日。中国北京  
March 12, 2019. Beijing, PRC

ISBN 978-5-905695-98-8



Materials of the International Conference  
**“Scientific research of the SCO countries: synergy  
and integration”** - Reports in English. Part 4

(March 12, 2019. Beijing, PRC)

ISBN 978-5-905695-98-8

这些会议文结合了会议的材料 – 研究论文和科学工作者的论文报告。它考察了职业化人格的技术和社会学问题。一些文章涉及人格职业化研究问题的理论和方法论方法和原则。

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ISBN 978-5-905695-98-8

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应用kirlianography评估学生的创造潜力

## APPLICATION OF KIRLIANOGRAPHY IN THE ASSESSMENT OF THE CREATIVE POTENTIAL OF STUDENTS

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注解。在学生圈工作之前和之后, 54名学生对他们的各种心理 – 情绪和心理活动进行了Kodian 200 X射线和彩色胶片的Kirlian摄影方法的检查。揭示了他们之间的差异以及休息时人的Kirlian照片。处于创造性心理活动状态的学生手指的Kirlian光芒与一个以反射活动占主导地位的工作状态下的心灵手指的Kirlian光芒完全不同。

关键词: Kirlian摄影, 心理情绪状态, 创造性, 反射活动。

**Annotation.** *The Kirlian photography method on the Kodak 200 X-ray and color film was examined by 54 students with their various psycho-emotional and mental activity, in comparison before and after the work of the student circle. Revealed their differences between themselves and with Kirlian photographs of a person at rest. The Kirlian glow of the fingers of students in a state of creative mental activity was radically different from the Kirlian glow of a psychic's fingers in a state of work with a predominance of reflex activity.*

**Key words:** *Kirlian photography, psycho-emotional state, creative, reflex activity.*

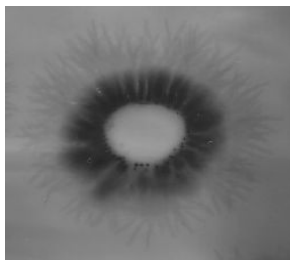
**Relevance of the topic.** The main task of any school is to prepare a highly professional specialist and a moral citizen of society. In the medical profession, especially professionalism is not possible without the ethical foundations of education. The latter forms an understanding of the life and health of the patient, as a universal value.

P. Gariaev discovered the so-called DNA solitons, which are oscillations depending on the degree of awareness of the text being read [2]. Information does not exist outside of the material carrier, in which act as charge carriers [1, 5]. The discovery of the method of high-frequency photography (Kirlian-effect) by spouses Kirlian in the 1960s [5] made it possible to visualize changes in the electromagnetic radiation of a person depending on his psycho-emotional state [6], which needs further research.

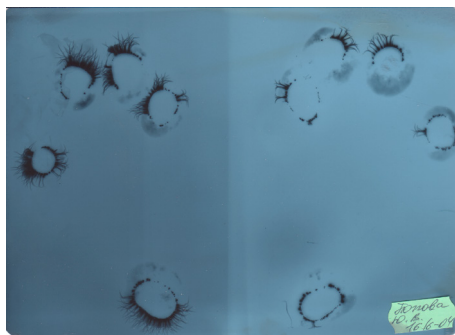
**The purpose of the study** was to use the Kirlian photography method to analyze changes in the creative and mental state of students during extracurricular elective classes of interest.

**Material and research methods.** Examined 12 college students aged 16-17 years, 42 students of 2<sup>nd</sup>-4<sup>th</sup> courses of the National University and Medical Academy. For register the Kirlian luminescence have been the device 'REK-1' developed by the Ukrainian Research Institute of Mechanical Engineering Technologies (Dnipropetrovsk). Researches were held on X-ray and color Kodak 200 films. The interpretation the obtained of images on Kirlianograms were held on P. Mandela's diagnostic criteria for luminescence types [8] and the criteria have developed by them for computer processing of scanned Kirlian images with the construction of brightness histograms and calculating the corona area of the glow around the fingers [6].

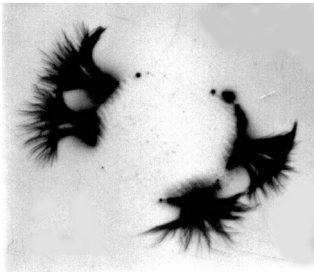
**Research results and discussion.** Normally, the corona of radiation around the fingers is represented by an internal oval, the middle layer of radiation in the form of uniformly located streamers (Fig. 1). The outer layer of the corona is luminescence - thin, evenly spaced, more or less branching rays outside the streamers. When psycho-emotional disequilibrium appeared deposition in the crown of the glow, some students encountered the so-called "beams of fear" (endocrine type of glow according to P. Mandela) (Fig. 2, 3).



**Fig. 1. Norm**

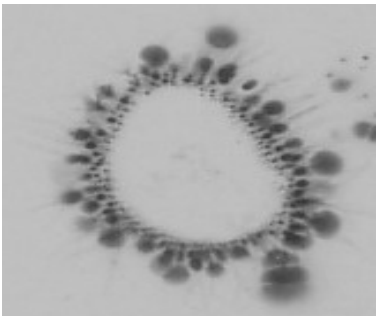
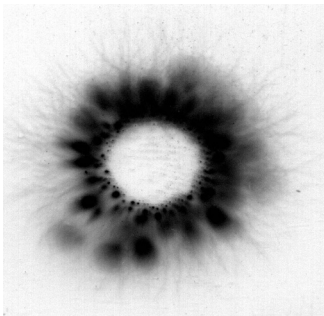


**Fig. 2. Endocrine type of glow**



*Fig. 3. Bundles of fear*

If there is physiological or informational intoxication in the cell, organ, body as a whole (energy activity on any negative factor), point and circular elements appear at the ends or in the area of streamers. Visualization of external energy objects was observed in the form of additional structures near the glow corona (Fig. 4).



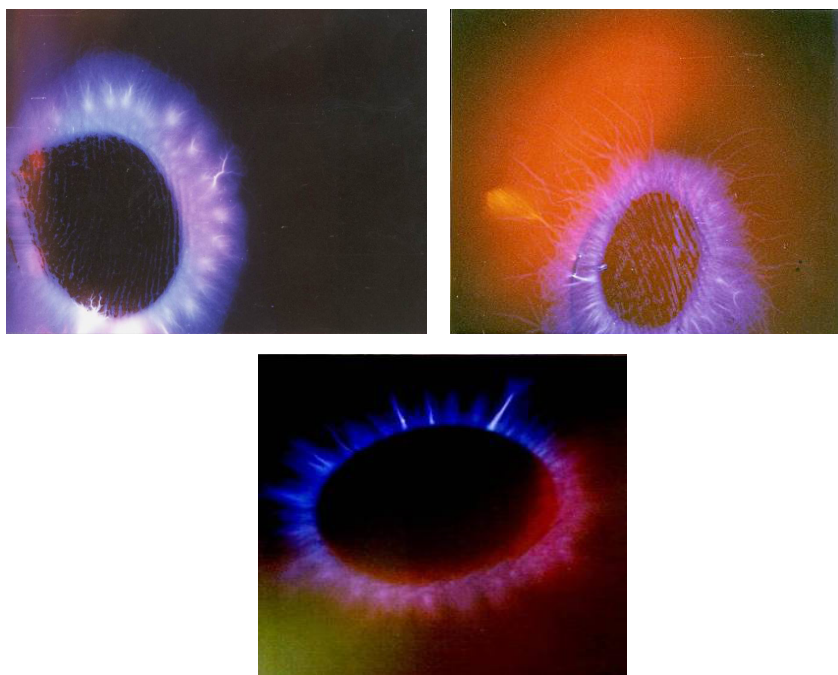
*Fig. 4. Toxic type of glow according to P. Mandela*

Comparing results obtained by describing defects before and after the creative work on the pupils' faculty classes in terms of interest, they revealed positive dynamics in the energy supply of the body, which positively affects the preservation of children's health (Table 1).

**Table 1.** *Changes in the types of Kirlian-glow fingers of students*

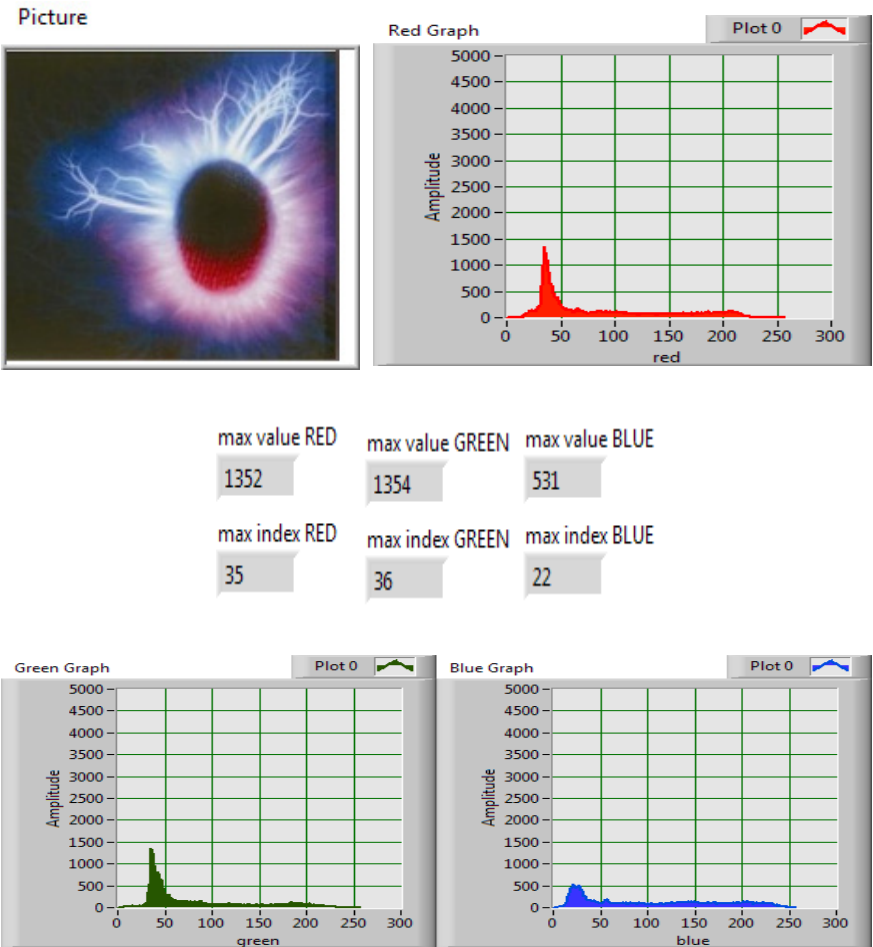
Types Kirlian glow	Until elective footwork		After classes	
	Total, people	%	Total, people	%
Endocrine	23	43	5	10
Endocrine and toxic	20	37	11	20
Normal	11	20	38	70

The creative and psycho-emotional activity of students during the work of the student circle was visualized in the form of the appearance of additional color structures in the crown of the glow or outside of it on a color film (Fig. 5).

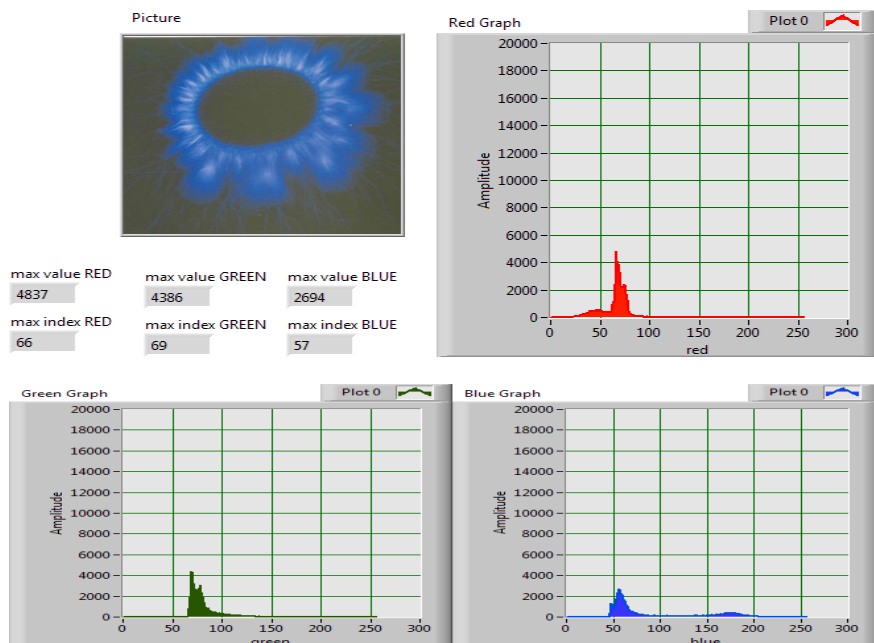


**Fig. 5.** *Examples of kirlianograms with psycho-emotional and mental activity of students*

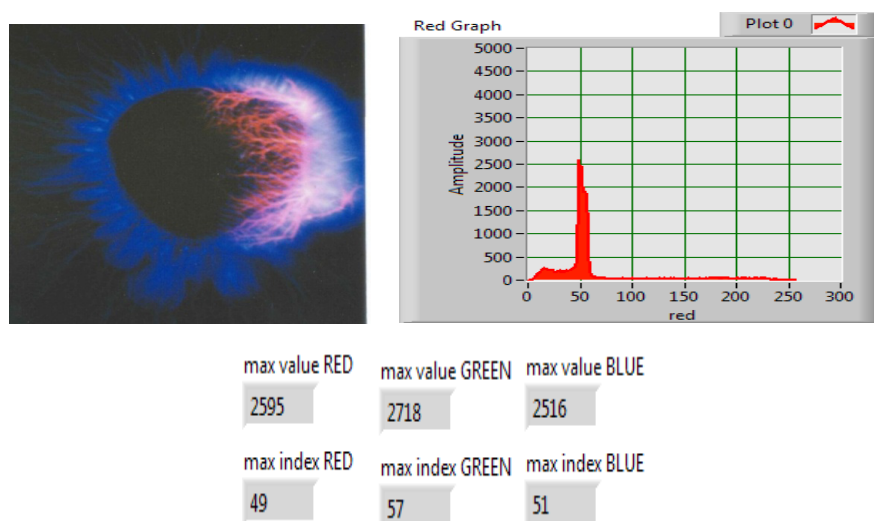
The Kirlian glow reflects both the physiological reflex reactions of the body and the state of the mental, spiritual and mental spheres of a person with various mechanisms of energy activity. The pictures below show examples of histograms of the brightness of the students 'Kirlian glow of the hands (with a gradation of components in three main colors) in a state of creative mental and spiritual activity in an optional lesson, in a state of emotional calm, which differ from each other, as well as from the reflex activity of a psychic during his work (Fig. 6).

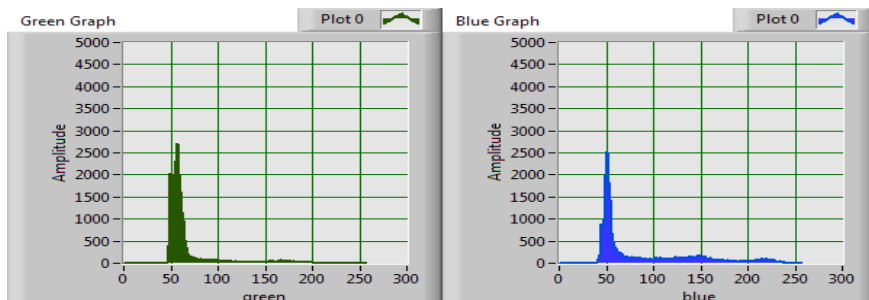


Kirlianogram of a finger at primentalno-spiritual activity



Kirlianogram of a man's finger at rest





Kirlianogram finger psychic while working

**Fig. 6.** Kirlian photographs and their histograms of the brightness of the glow with a gradient in color at rest and with different types of human energy activity

Comparing results obtained by calculating the corona area of the glow around the fingers with the data from psychological tests for different types of thinking and with the results of electroencephalograms has revealed no correlation between them among students with high-energy responses. These Kirlian photographs have revealed the potential mental and psycho-emotional activity for students, which could not be obtained by standard methods.

**Conclusion.** The application of the results of kirlianographic research in the pedagogical process is appropriate for assessing the potential of the mental and creative activity of students.

## References

1. Bondarev V. *Monopulse plasmography. New directions in human bioenergy research* / El. resource: <http://samo-iscelenie.org.ua/index.php/obzor>. Alma ata
2. Gariaev P.P. *Fractality of DNA and speech. Report Ross. Ac Of science* - 1994.
3. Gerber Richard *Vibration Medicine* / M.: Sofia, Helios, 2001. - 592 p.
4. Kirlian S.D. *Auth. swith No. 106401, cl. G03B 41/00*, 1949.
5. Korotkov K.G. *The energy of our thoughts* / Korotkov KG - Moscow: Eksmo, 2009. - 352 p.
6. Pesotskaya L.A., Glukhova N.V., Tretyak T.O. *Evaluation of human thinking based on image analysis of gas-discharge radiation* // *Bulletin of Kharkiv National University. V.N. Karazin. Series "Valeology: present and future."* - 2016. - Vol. 20. - p. 113 - 116.
7. Yartsev V.V. *The ability of a person to combine the energy and information of the cells of his physical body* // *Consciousness and physical reality.* - V. 3, № 4. - 1998. - S. 52 - 58.
8. Mandel P. *Energetische Terminalpunkt-Diagnose.* Engan, 1983. - 199 p.