

## **Strachimir Chterev Mavrodiev CURRICULUM VITAE**

Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences, <http://www.inrne.bas.bg/>  
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Earthquake predictions using reliable Earthquake precursors <http://theo.inrne.bas.bg/~mavrodi/>,

**From** 1947-1958 Pomorie grammar school, October 1958 to March 1962 military (submarine) sea service,  
1961- 1967 student, Physical faculty of Sofia University "St. Kliment Ohridsky", theoretical physics, 1967 till  
now INRNE, BAS, 1971- 1983 –LTPH, JINR, Dubna,

**From** 1986 to 1991 organizer and leader of Program team "Dynamics and correlation's of processes and interactions in Black sea in real time".

**From** 1988 to 1991 co-leader of International Science group, which:

- In 1998 prepare **Report diagnosis for the Burgas Bay conditions with science, management and business recommendations**;
- In 1990 built a Software with data bank modeling of the interactions and development of different processes in the sea, including the possibilities for description of natural catastrophes and transport or industrial accidents in real time (Approved in Burgas Bay and Kerch strait)
- In 1986-1990 organize the creation of Black Sea towns and regions **Clean and peaceful Black Sea**, Odessa declaration, August

**From** 2004 organizer of International collaboration **PrEqTiPlaMagInt** for researching the possibilities for earthquakes prediction using reliable precursors measured by complex NETWORK

**Qualifications:** 1955, Yacht captain (10 Bruto register ton), Diploma from Central sea school, Training vessel "Vesletc", Varna ; 1958, Radio- operator, Varna, 1960, First class radio- operator, Varna; 1972, Professional driver; 1975, Ph.D., Lab. of Theory. Phusics, JINR, Dubna,

**Titles:** 1978, Ass. Prof., JINR, Lab. of Theor. Ph., Dubna, Higher Science Commission, Moscow;  
1979, Prof., Higher Science Commission, Moscow;  
1988, Ass. Prof., Higher Science Commission, Sofia.

### **Scientific Interests:**

- **Phenomenology of High Energy Particle Physics and Astrophysics,**
- **Dynamics and correlations of processes and interactions in Black Sea in real time,**
- **Earthquake Research and Predictions Using Reliable Precursors measured with complex NETWORK, Seismicity and Climate.**

**Publications:** More than 80 science articles, books and papers, including:

S.Cht.Mavrodiev, **Applied Ecology of the Black Sea** , ISBN 1-56072- 613- X, 207 Pages, Nova Science Publishers, Inc., Commack, New York 11725, 1998,

S.Cht.Mavrodiev, C.Thanassoulas, **Possible correlation between electromagnetic earth fields and future earthquakes**, ISBN 954-9820-05-X, INRNE-BAS, Sofia, Bulgaria, 2001,

S.Cht.Mavrodiev, **On the reliability of the geomagnetic quake as a short time earthquake's precursor for the Sofia region**, **Natural Hazards and Earth System Science**, Vol. 4, pp 433-447, 21-6-2004,

A. Mishev, S. Mavrodiev, J. Stamenov, **Cosmic Ray Studies based on Atmospheric Cherenkov light technique at high- mountain altitude**, In **Frontiers in Cosmic Ray Research**, ISBN: 1-59454-793-9, Nova Science, NY, USA, 2005

**Electromagnetic Phenomenon Related to Earthquakes and Volcanoes**, Editor Birbal Singh, ISBN: 978-81-7319-858-8, **Geomagnetic Quake as Imminent Reliable Earthquake's Precursor, Starting point for future complex regional NETWORK**, S. Cht. Mavrodiev, L. Pekevski, T. Jimseladze, India, 2007

### **Author's certificate:**

**High speed sailboat on the base of the shield effect**, Institute for inventions and innovations, Certificate No 1219, 16 March 1987, Sofia.

**Languages:** Bulgarian, Russian, English.

**Hobby:** Yacht's constructor, lonely yachtsman.  
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