

Assoc. Prof. Nedyalka Staykova Petrova

Education:

Technical University of Sofia - Faculty of Automation and faculty pedagogy- Master Diploma of high education
Doctoral thesis (educational and scientific degree) "Alternative methods of training in Medical Statistics and Informatics"

Professional development:

Department of Social Medicine and Public Health at the Medical University of Plovdiv- assistant professor, senior assistant professor, senior administrative assistant- **2008**; Assoc. Professor of Informatics and biostatistics.

Lecturer in Computer Systems Bachelor of Medical College, bachelors and masters in management of healthcare, participation in semester exams on computers, participation in exams for graduate students, participate in colloquia.

Participation in expert committees - competition for administrative executives.

Training courses on ". Application of statistical and editorial software and software for making presentations" for professors and associate professors, lecture course in informatics and medical statistics with students in medicine, dentistry.

Scientific research activity:

Implementation of COSINOR analysis for the study of circadian rhythms in psychiatry.

Creation and implementation of a new methodology for teaching medical statistics with the use of Information Technology.

Participation in projects

Inter-project entitled: Distribution, contemporary epidemiological characteristics and molecular genetic markers of hepatitis B virus infection in Florida.

Specializations:

Acquired specialty Electronization and automation of the national economy. TU – Sofia.

Certificate for participation in education of Health Management.

Research Interests: Use of new information technologies in medicine and teaching practice. Introduction of new teaching tools. Creating custom software for medical scientific research. Research in the field of neurology, psychiatry, epidemiology. Health Management and others.

Membership: Membership in professional organizations:

Union of Scientists in Bulgaria (USB),
Bulgarian Society of chronobiology,
Society of mathematicians and computer scientists in Bulgaria,
Bulgarian Association of Public Health.

Publications: Madgirova N, ***Petrova N***, Delchev N. Daily rhythmicity of temperature, pulse and blood pressure in schizophrenic patients. *Schizophrenia research* 1995;14:183 IF**3,256**

Todorova M., ***N. Petrova***. Significance of the emotional intelligence for the education of students at Faculty of Public Health. Eurasian Union of Scientists, 2014, v4, № 8: 67-69.

(GIF-0.297)

Todorova M., **N. Petrova**. Psychosocial predictors and their connection with the quality of life of patients with ischemic heart disease. Eurasian Union of Scientists, 2016; v 7, № 29, (**GIF – 1.023; ISI – 0,833**)

Textbooks:

I. Textbooks.

1. Textbook of Medical Statistics for students.

Guide to practical exercises in medical statistics in English and Bulgarian.

II. Participation in monographies

1. Madzhirova N, Popov, **N. Petrova**, N. Temperature stopwatch in sexual couple. Diagnosis and therapy of neurosis and depression. Edited by Assoc. M. Roflev "Poligraf" Publishing House Plovdiv, 1993: 67-70

2. Madzhirova N, **Petrova N**, Delchev N. Temperature and pulse timing diagrams of certain antidepressants. Psychopharmacological treatment, desired and undesired effects, edited by Assoc. Rogleva "Poligraf" Publishing House. Plovdiv 1994; Collection of articles: 42-46

3. Madzhirova N, Dimitrov B D, Semerdjieva M, Stefanov R, **Petrova N**. Chronobiological and biometeorological studies of suicide and suicide attempts. Chronobiology and biometeorology in Bulgarian medicine in order. Assoc. Madjirova, Macros, Plovdiv 2000.2001: 87-98