



ALEXANDAR B. YANOVSKI

IN MEMORIAM

The Bulgarian mathematician Professor Alexandar Borissov Yanovski passed away on October 27, 2023. The following is a short resume of his life and achievements as a teacher, scientist and person based on the reminiscences of his colleagues, co-authors and friends.

Introduction

Alexandar Borissov Yanovski was born on 16 April 1953 in Sofia, Bulgaria. He graduated from the Faculty of Physics of the St. Kliment Ohridski State University in Sofia in 1976. In 1978 he successfully defended his MSc thesis under the supervision of Prof. I. Todorov at Institute for Nuclear Research and Nuclear Energy, Sofia, see also [31].

After graduation, A. Yanovski started working at the same Faculty. He joined the research group of Prof. N. Nikolov, studying electromagnetic waves in plasma. This results in his first series of publications [1–6] on the theory of propagation of electromagnetic waves in plasma and specifically in gas plasma wave-guides.

From 1982 to 1988 Alexandar became a Research Associate and a Senior Research Fellow at the Joint Institute for Nuclear Research (JINR) in Dubna (SSSR). He worked at the JINR Laboratory of Computing Techniques and Automation (LCTA) in the research group of Prof. V. Makhankov. At this period, his main scientific interests shifted to integrable systems. His second series of works with Dr. A. Shvachka were devoted to the Wahlquist-Estabrook prolongation method and its application to nonlinear evolution equations [7–9] and on Magri’s theorem for complete integrability (together with B. Florko) [10]. Meanwhile, he and his family met in Dubna the families of Bordag (Ljudmila and Michael), Igor Barashenkov and Vladimir Gerdjikov – these contacts significantly influenced his later scientific career. In 1987 Alexandar Yanovski defended his PhD thesis: “*Gauge-Covariant Approach to the Theory of the Generating Operators for Nonlinear Soliton Equations*” under the supervision of Prof. V. Makhankov and Dr. V. Gerdjikov.