Professor Svetlana M. Bauer

See:  
https://www.researchgate.net/profile/Svetlana_Bauer  
https://scholar.google.ru/citations?user=oev3jnsAAAAJ&hl=ru  

Department of Theoretical and Applied Mechanics, Mathematics and Mechanics Faculty  
Saint-Petersburg State University, Russia  

Education:  
Graduated from Leningrad State University in 1975  
PhD (Physics&Math, Mechanics of Solids) from Leningrad State University in 1980  
PhD thesis " Stability of close to cylindrical shells with imperfections of form"
Dr.Sci. thesis "Models of shells and plates in ophthalmology"

Academic Career:
St. Petersburg State University, Department of Theoretical and Applied Mechanics
Supervisor of 8 PhD theses.
Author of 15 books and 200 journal and conference papers.

Research Interests:
Asymptotic methods; Theory of thin-walled structures; Biomechanics; Mechanics of solids; Nano-mechanics;
Models of plates and shells in ophthalmology

Selected Publications:
Books in Russian:

Book in English:

Journal Articles, etc.:


S.M. Bauer, P.E. Tovstik Buckling of Spherical Shells under Concentrated Load and Internal Pressure Technische Mechanik, Band 18, Heft 2,1998 p. 135-139


Svetlana M. Bauer, Stanislava V. Kashtanova, Nikita F. Morozov, Boris N. Semenov, The Stability of the Plates with Circular Inclusions under Tension, Generalized Models and Non-classical Approaches in Complex Materials v.1, Advanced Structured Materials, Volume 89, Ch.4, 2018 p.61-68