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Journal of the Balkan Tribological Association is an International Journal edited by the Balkan Tribological Association for rapid scientific and other information, covering all aspects of the processes included in overall tribology, tribomechanics, tribochemistry and tribology.

The Journal is referring in Chem. Abstr. and RJCH (Russia).

Aims and Scope

The decision for editing and printing of the current journal was taken on Balkantrib'93, Sofia, October, 1993 during the Round Table discussion of the representatives of the Balkan countries: Bulgaria, Greece, Former Yugoslavian Republic of Macedonia, Romania, Turkey and Yugoslavia. The Journal of the Balkan Tribological Association is dedicated to the fundamental and technological research of the third principle in nature – the contacts. The journal will act as international focus for contacts between the specialists working in fundamental and practical areas of tribology.

The main topics and examples of the scientific areas of interest to the Journal are:

- (a) overall tribology, fundamentals of friction and wear, interdisciplinary aspects of tribology;
- (b) tribotechnics and tribomechanics; friction, abrasive wear, adhesion, cavitation, corrosion, computer simulation, design and calculation of tribosystems, vibration phenomena, mechanical contacts in gaseous, liquid and solid phase, technological tribological processes, coating tribology, nano- and microtribology;
- (c) tribochemistry – defects in solid bodies, tribochemical emissions, triboluminescence, tribochemiluminescence, technological tribochemistry; composite materials, polymeric materials in mechanics and tribology; special materials in military and space technologies, kinetics, thermodynamics and mechanism of tribochemical processes, combustion, fires, explosions;
- (d) sealing tribology;
- (e) biotribology – biological tribology, tribophysiotherapy, tribological wear, biological tribotechnology, etc.;
- (f) lubrication – solid, semi-liquid lubricants, additives for oils and lubricants, surface phenomena, wear in the presence of lubricants; lubricity of fuels; boundary lubrication;
- (g) ecological tribology; the role of tribology in the sustainable development of technology; tribology of manufacturing processes; of machine elements; in transportation engineering;
- (h) management and organisation of the production; machinery breakdown; oil monitoring;
- (i) European legislation in the field of tribotechnics and lubricating oils; tribotesting and tribosystem monitoring;
- (j) educational problems in tribology, lubricating oils, fuels and contacts;
- (k) contacts – mechanical, agricultural, chemical, medical, social environments.

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