

## CONTENTS

<b>Grzegorz Budzik, Tadeusz Markowski, Michał Batsch, Jadwiga Pisula, Jacek Pacana, Bogdan Kozik</b> <i>Stress Assessment of Gear Teeth in Epicyclic Gear Train for Radial Sedimentation Tank .....</i>	121
<b>Viswanathan Shrinalath, Ramalingam Vaira Vignesh, Ramasamy Padmanaban</b> <i>Parametric Study on the Spring-Back Effect in AA5052 Alloy in the Course of Three-Point Roll Bending Process .....</i>	128
<b>Piotr Jankowski</b> <i>Effect of Kerr Foundation and In-Plane Forces on Free Vibration of FGM Nanobeams with Diverse Distribution of Porosity.....</i>	135
<b>Aashutosh S. Kale, Aleksandra Biszczanik, Krzysztof Wałęsa, Mateusz Kukla, Maciej Berdychowski, Dominik Wilczyński</b> <i>Designing of the Machine for Cutting Transport Belts: Conceptual Works.....</i>	144
<b>Volodymyr Iasnii, Petro Yasniy, Yuri Lapusta, Oleg Yasniy, Oleksandr Dyvdyk</b> <i>Functional Behavior of Pseudoelastic NiTi Alloy Under Variable Amplitude Loading.....</i>	154
<b>Ewa Pawłuszewicz, Andrzej Koszewnik, Piotr Burzyński</b> <i>On Grünwald-Letnikov Fractional Operator with Measureable Order on Continuous-Discrete Time Scale .....</i>	161
<b>Mostefa Salah, Farouk B. Boukhoulda, Mohamed Nouari, Kouider Bendine</b> <i>Temperature Variation Effect on the Active Vibration Control of Smart Composite Beam .....</i>	166
<b>Abstracts.....</b>	XVII