

# Contents

|   |     |
|---|-----|
| It was said ...   | 67  |
| Editorial   | 68  |
| <b>RESEARCH MONOGRAPH</b>   |     |
| Silicon nitride for photovoltaic application<br>M. Lipiński (Poland)  | 69  |
| <b>MATERIALS</b>  |     |
| Effect of the heat treatment on the structure and properties of GX12CrMoVNbN9-1 cast steel ...<br>G. Golański (Poland)                                      | 88  |
| Influence of chemical composition variation and heat treatment on microstructure<br>and mechanical properties of 6xxx alloys<br>G. Mrówka-Nowotnik (Poland) | 98  |
| <b>MATERIALS MANUFACTURING AND PROCESSING</b>   |     |
| Structure analysis of welded joints of wear resistant plate and constructional steel<br>M. Adamiak, J. Górka, T. Kik (Poland)                               | 108 |
| <b>SHORT PAPER</b>  |     |
| Structural and mechanical properties of ZnTe in the zincblende phase<br>C. Soykan, S. Ozdemir Kart (Turkey), T. Cagin (USA)                                 | 115 |
| Author index  | 120 |
| Keywords index  | 121 |
| Index of Authors publishing in the Archives of Materials Science and Engineering in 2010<br>(Vols. 41-46)   | 122 |
| Events 2011   | 125 |
| Publisher's notice  | 127 |
| Editor's notice   | 128 |