

**KATEDRA KONSTRUKCJI BUDOWLANYCH
I MECHANIKI BUDOWLI
PROPOZYCJE TEMATÓW PRAC DYPLOMOWYCH
MAGISTERSKICH (studia drugiego stopnia)
NA ROK AKADEMICKI 2023/2024
(termin złożenia pracy 30.09.2024 r. – studia stacjonarne)
(KONTAKT DO SEKRETARIATU KATEDRY: wb.kkbimb@pb.edu.pl)**

<i>1. Promotor/e-mail:</i>	Dr inż. Julita Krassowska/ j.krassowska@pb.edu.pl
<i>Kierunek – specjalność</i>	Civil Engineering
<i>Temat:</i>	Design and analysis of the optimal roof structure solution using a timber trust
<i>Zakres pracy:</i>	Scope: 1. Adoption of the object concept. 2. Variant analysis of the roof trust structure 3. Static calculations of construction variants 4. Dimensioning of main structural elements 5. Analysis of the developed construction variants 6. Preparation of construction drawings
<i>Słowa kluczowe:</i>	roof timber trust, roof structure, timber construction
<i>2. Promotor/e-mail:</i>	Dr inż. Julita Krassowska/ j.krassowska@pb.edu.pl
<i>Kierunek – specjalność</i>	Civil Engineering
<i>Temat:</i>	Effect of basalt mikrobars on selected characteristic of concrete
<i>Zakres pracy:</i>	Scope: 1. Review of the literature on concretes with basalt mikrobars 2. Experimental research methodologies and materials property for the appropriate tests. 3. Sample preparation and process of identified laboratory tests and results. 4. Analysis of research results, cited conclusions and recommendations.
<i>Słowa kluczowe:</i>	basalt mikrobars, mechanical properties of concrete