**XXXVII Międzynarodowa Konferencja Polskiego Towarzystwa Fykologicznego**,

Kraków-Dobczyce, Góra Jałowcowa,   
22-25 maja 2018 r.

**37th International Conference of the Polish Phycological Society**,   
Kraków-Dobczyce, Góra Jałowcowa,   
22th-25th of May 2018

**FORMULARZ ZGŁOSZENIOWY / APPLICATION FORM**

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| **Rodzaj prezentacji / Type of presentation** | | | | **Referat/Oral presentation** | | |  | | |
| **Poster** | | |  | | |
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| **Imię i nazwisko pierwszego autora /**  **Name and surname of the first author** | | | |  | | | | | |
| **Prezentacja zgłoszona do konkursu \* /Presentation is submitted to the contest \*** | | | |  | | | | | |
| **22.05 2018 / 22nd of May** | | | | Wycieczka do Collegium Maius i po Krakowskim Rynku/Excursion to Collegium Maius and around Main Market Square in Cracow | | | |  | |
| Obiad / Dinner | | | |  | |
| Transport Kraków-Dobczyce /Transport from Cracow to Dobczyce | | | |  | |
| **24.05.2018 / 24th of May** | | | | Wycieczka w rejonie Zbiornika Dobczyckiego / Excursion around the Dobczyce dam reservoir | | | |  | |
| **25.05.2018 / 25th of May** | | | | Transport Dobczyce-Kraków / Transport from Dobczyce to Cracow | | | |  | |
| **Dieta wegetariańska, bezglutenowa itp. / Vegetarian, gluten-free meal etc.** | | | |  | | | | | |

\*Konkurs na najlepszą prezentację ustną i najlepszy poster dla młodych naukowców. Pierwszy autor (musi wygłosić referat lub być obecny przy posterze) może posiadać nie więcej niż 35 lat. Prezentacja powinna mieć maksymalnie trzech autorów.

\*Contest for the best oral and poster presentation for young scientists. The first author (which should deliver oral presentation itself or be present at the poster session) may be not older than 35 years. The presentation may have not more than three authors.

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[**fikimiki2018@iop.krakow.pl**](mailto:fikimiki2018@iop.krakow.pl)

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**Streszczenie PTF – 1 strona/ Abstract – 1 page**

Język/ Language – angielski/English

Czcionka/ Font – Times New Roman

Tytuł/ Title – 14 pt

Afiliacja/ Affiliation – 10 pt

Tekst/Text –12 pt z 1,5 wierszami/12 pt, 1.5 spacing between lines

Wyrównanie/Alignment – do lewej/ to the left

**Production of Biodiesel from Algae**

Jan Kowalski1 & Stefan Ciepły2

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Several varieties of freshwater and saltwater algae were procured from three different commercial sources. All algae cultures received were contaminated with microorganisms (i.e.,

bacteria, fungi, protists) and macroorganisms (i.e., worms). The algal strains were purified using both solid and liquid media. The purified algal strains were then successfully grown in ~ 100 Lbatches with densities of 1.4 to 1.9 x 108 cell/mL. Several harvesting and drying techniques (i.e. filtration, centrifugation, flocculation, and freeze-drying) were evaluated to effectively dewater the algae cultures. On average, for every 1 L of high-density algae grown, ~ 1 g of dry algae was harvested. Algal oil was extracted from the dry algae using soxhlet extraction with hexane.