

Form B-2
(FY2021)
Must be typed

Date (日付) 29 July 2021

(Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-
(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): Khaliduzzaman (ID No. P19396)

- Name and title of the accompanying person (講義補助者の職・氏名) N/A

- Participating school (学校名): Katsuyama Senior High School, Katsuyama, Fukui

- Date (実施日時): 29/07/2021 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目): Scope of Terahertz Electromagnetic Radiation in Egg Research

- Lecture format (講義形式):

◆ Onsite ・ Online (Please choose one.)(対面 ・ オンライン)((どちらか選択ください。))

◆ Lecture time (講義時間) 60 min (分), Q&A time (質疑応答時間) 30 min (分)

◆ Lecture style (ex.: used projector, conducted experiments)

(講義方法 (例: プロジェクター使用による講義、実験・実習の有無など))

(PPT based) lecture used by projector

- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.

The purpose of the presentation was firstly to give the taste of introductory lecture on higher level research among the senior high school students. It was lectured that how the basic knowledge of biology, chemistry and physics is useful in real life problem solving. It was also discussed that how to integrate those fields of basic sciences (multidisciplinary approach) for greater impact in research. Before going into the core research topic, application of terahertz electromagnetic wave in eggs research for future egg and poultry industry, the fundamental information (e.g., geographic and demographic information) and introduction of my country (Bangladesh) and self-introduction (my academic and career) are shared among the students. The core topics included the background information on global egg and poultry meat production and consumption scenario, application of optical sensors especially terahertz spectroscopy for non-destructive study of eggs and eggshells, the biology of table eggs and hatching eggs, physics of electromagnetic radiation and importance of such research in industrial perspective and our daily life.

◆ Other noteworthy information (その他特筆すべき事項):

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※弊会記入欄

- Impressions and comments from the accompanying person (講義補助者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。):

Thank you for spending your precious time and giving us a wonderful lecture. The students didn't have enough English ability to catch the whole lecture, but they seemed to have a good experience of listening to you and getting a useful science knowledge. I really appreciate your kind attitude to let the students understand your lecture. ... [Osamu Sakai Sensei]