Abstract
Coronavirus (COVID-19) disease is an emerging situation that brought challenges to all sectors, including academia and research. Undergraduate and postgraduate students in biochemistry and molecular biology have been affected significantly due to the recent laboratory closures. Experiments have been suspended for long causing extreme stress to the students. Virtual laboratory is a powerful educational tool that enables students to conduct experiments at the comfort of their home. An excellent opportunity to engage students with technology and in parallel to avoid unforeseen disruptions, as happened recently due to pandemic.

Keywords
COVID-19, postgraduate students, undergraduate students, virtual laboratories
online experiments. Furthermore, virtual laboratories provide a great opportunity for doctoral students and postdoctoral researchers to gain teaching experience. Familiarize with important teaching approaches in virtual education such as the scenario-based teaching and inquiry-based learning.\(^2,^3\) Also, to participate towards the development of virtual laboratories, place theory into practise and assess reports. Additionally, a unique opportunity to work in highly interdisciplinary teams from academics to graphic designers. Teaching is an important aspect for a successful career in academia. However, doctoral and postdoctoral researchers need to discuss their teaching contributions always with their supervisors to avoid potential delays in their research.

To conclude, students in experimental disciplines like biochemistry and molecular biology are heavily affected by the recent social distancing regulations. However, virtual laboratories can provide a powerful solution in tertiary education for undergraduates and postgraduates (doctoral students) during COVID-19 pandemic. Undergraduate students can progress to their studies without any disruptions since important experiments can be conducted online at home. Whereas doctoral researchers can possibly investigate the effect of virtual laboratories in biochemistry/molecular biology during pandemics and emerging situations. Furthermore, post-doctoral scholars and doctoral students can gain teaching experience in virtual education by helping academic staff.

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