

MUSHFIQUL ANWAR SIRAJI

I am a PhD research scholar currently looking for post-doctoral research opportunities. During my PhD years, I investigated the non-visual effects of light on human alertness and higher cognitive functions. I am also experienced in parametric and nonparametric statistical analysis and R language based psychometric analysis.



EDUCATION

2022
|
2019



PhD. Candidate, Psychology

Monash University



School of Medicine and Health Sciences

- Visual and non-visual effects of light: Real-world Application

2015
|
2014



MSc., Psychology

University of Dhaka



Department of Psychology

- Thesis: Cultural Adaptation and Psychometric Validation of Rotter's I-E Scale

2014
|
2010



B.S., Psychology

University of Dhaka



Department of Psychology

- Project: An Evidence of Perception Without Awareness



RESEARCH EXPERIENCE

2022
|
2019



PhD Research Fellow

Monash University



School of Medicine and Health Sciences

- Actively designed and conducted experiments involving human participants at the Intelligent Lighting Lab



DATA ANALYSIS



Parametric and Non-parametric Statistics



R Based Data Analysis



Data Visualization

View this CV online with links at <https://github.com/masiraji/CV>

CONTACT

✉ siraji1993@gmail.com

🐦 [anwar_siraji](https://twitter.com/anwar_siraji)

🔗 github.com/masiraji

🌐 linkedin.com/in/masiraji

SKILLS

R

Psychometric Data Analysis in R

SPSS

Project Management

Data Visualization in R

Illustrator

PsychoPy

RESEARCH STRENGTH

Survey Design, Experimental Design, RMarkdown Reports, Data Visualization and Statistical Analysis in R, Reproducibility (Github Version Control), Academic Writing, and R language

PSYCHOMETRICS

Item Analysis (Classical and Modern Item Response Theory), Latent Structure Analysis (Exploratory Factor Analysis, Confirmatory Factor Analysis), Structural Equation Modeling, and Regression.

- Reproducible Manuscripts & GitHub Integration



SELECTED PUBLICATIONS, POSTERS, AND TALKS

2022
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2021

- **Effects of Daytime Electric Light Exposure on Human Alertness and Higher Cognitive Functions: A Systematic Review**

Frontiers in Psychology

- Authored with Dr. Vinetha Kalavally, Dr. Alex and Dr. Shamsul Haque
- A systematic review of IIL literature

2022

- **Light Exposure Behavior Assessment (LEBA): Development of a Novel Instrument to Capture light Exposure-Related Behaviours**

CIE Australia Lightin Research Conference 2020

- Authored with Rafael Robert Lazar, Juliette van Duijnhoven, Luc Schlangen, Shamsul Haque, Vineetha Kalavally, Celine Vetter, Gena Glickman, Karin Smolders, & Manuel Spitschan

2022

- **Influence of daytime short-wavelength dominant electric light exposure on human alertness and higher cognitive functions: a cie so26-based pilot study**

CIE Australia Lightin Research Conference 2021

- Authored with Dr. Vinetha Kalavally, Dr. Alex and Dr. Shamsul Haque

2021
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2021

- **Bangla Translation of Comic Book: “Enlighten Your Body Clock**

- Authored with Colline and Dr. Manuel Spitschan



MANUSCRIPT UNDER PREPARATION

Manuscript
Under
Preparation
|
2021

- **Cultural Adaptation and Psychometric Validation of Rotter’s I-E Scale**

- Authored with Dr. Shamsul Haque

Manuscript
Under
Preparation
|
2022

- **Cultural Adaptation and Psychometric Validation of Five factor Mindfulness questionnaire I-E Scale**

- Authored with Dr. Shamsul Haque

Light Exposure Behavior Assessment (LEBA): Development of a Novel Instrument to Capture light Exposure-Related Behaviours

- Authored with Rafael Robert Lazar, Juliette van Duijnhoven, Luc Schlangen, Shamsul Haque, Vineetha Kalavally, Celine Vetter, Gena Glickman, Karin Smolders, & Manuel Spitschan