**Applying Genetic Algorithm for Patient Appointment Scheduling Optimization**

Alireza Kasaie1\*, Hamed Farrokhi-Asl2, Milad Shahvaroughi Farahani3

1 Department of Health Informatics and Data Science, Loyola University Chicago, Maywood, IL 60153, USA

Email: [Skasaiesharifi@luc.edu](mailto:Skasaiesharifi@luc.edu)

Orcid: Orcid:0000-0001-9835-1738

\*Corresponding Author

2 Sheldon B. Lubar College of Business, University of Wisconsin-Milwaukee, Milwaukee, WI, USA

Email: [arrokh5@uwm.edu](mailto:arrokh5@uwm.edu).

Orcid: 0000-0002-5310-5784

3 Department of Finance, Faculty of Management, Khatam University, Tehran, Iran

Email: [M.shahvaroughi@khatam.ac.ir](mailto:M.shahvaroughi@khatam.ac.ir)

Orcid: 0000-0002-1588-7914