



Lecturer (Physiotherapy)

School of Science and Technology (SST)

Bangladesh Open University (BOU), Gazipur-1705, Bangladesh

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Area of Specialization and Research Interest

Neurological and Pediatric conditions, Physiotherapy, Disability and Rehabilitation

Educational Qualification

- **Master of Science in Rehabilitation Science** (2 years), Faculty of Medicine, University of Dhaka, 2016.
- **Bachelor of Science with Honors in Physiotherapy**, Faculty of Medicine, University of Dhaka, 2006.
- **Higher Secondary School Certificate (H.S.C)**, Dhaka Board, 2000. (First Division)
- **Secondary School Certificate (S.S.C)**, Dhaka Board, 1998. (**First Division with Star**)

Present Job Experience at Bangladesh Open University

Designation: Lecturer, Physiotherapy, School of Science and Technology, BOU.

Duration: August 11, 2021 - to date

Responsibilities: Developing course materials (Lecture, Books, Audio-TV programs) and conducting tutorial classes and research on the field of Physiotherapy, Disability and Rehabilitation.

Previous Job Experience:

1. Designation: Clinical Physiotherapist, Salauddin Specialized Hospital, Ticatuli, Dhaka.

Duration: February 01, 2008 – 31, July 2008.

2. Designation: Clinical Physiotherapist- Pediatric Unit, CRP, Savar, Dhaka

Duration: August 02, 2008 – May 31, 2016

3. Designation: Senior Clinical Physiotherapist- Pediatric Unit, CRP, Savar, Dhaka

Duration: June 01, 2016 to June 30, 2019.

4. Designation: Junior Consultant- Physiotherapy, Neurology Unit, CRP, Savar, Dhaka

Duration: July 01, 2019 to November 24, 2019.

6. Designation: Tutor of MDMR Program, School of Science and Technology, BOU.

Duration: January 17, 2020 to August 10, 2022.

List of Publications

Total Publications: 16 (Sixteen) [International: 09 (Nine), National: 6 (Five) and Book: 1 (one)] From 2011 to 2023.

1. Pain management for osteoarthritis in the knee: A comparative study between the applications of exercise program combined with tapping and exercise program alone. **Bangladesh Physiotherapy Journal**, vol.5, no.1, January 2011, **ISSN: 1727-6748**
2. A comparative study between conventional Physiotherapy with soft tissue massage and conventional Physiotherapy alone for mechanical low back pain patient at CRP. **Bangladesh Physiotherapy Journal**, Vol.5, no. 2, July 2011, **ISSN: 1727-6748**
3. Towards an Inclusive World: A guide for the patients of Children with Cerebral with Cerebral Palsy. IPODMCH, Dhaka, February 2014, **ISBN: 978- 984- 33- 6347.**
4. Management of an Atypical Ankle Sprain Patient Through Hypothetico Deductive Reasoning Model of Clinical Reasoning Implemented By International Classification of Functioning, Disability and Health: A Case Study. **International Journal of Physiotherapy**. Vo. 3, no. 3, June 2016, ISSN: 2348 – 8336.
5. A comparative study: Effectiveness of exercise program with soft tissue massage and exercise program alone for pain management in adhesive capsulitis of shoulder. **Bangladesh Physiotherapy Journal**. vol. 7, no. 2, December 2016.
6. Physiotherapy for a 38 years old man with Bell's palsy: A case report. **Edorium Journal of Disability and Rehabilitation**. vol.3, no.01, March 2017.

7. Characteristics of gross motor function among children with spastic cerebral palsy aged between 2–4 years. **Edorium Journal of Pediatric**. vol. 1, May 2017.
8. Characteristics of Pain and Disability among Patients with Chronic Neck Pain Attended at Centre for the Rehabilitation of the Paralysed (CRP). **International Physical Medicine & Rehabilitation Journal**. vol. 1, no. 2, May 2017.
9. Cranio-Cervical Exercise Combined with Usual Care: An Effective Physiotherapy Treatment to Minimize Pain and Increase Range of Motion among Patients with Chronic Neck Pain. **EC Orthopaedics**. vol. 8, no. 2, October 2017.
10. Effectiveness of physiotherapy treatment for post chikungunya arthralgia. **Edorium Journal of Public Health**. vol. 4, November 2017.
11. Effectiveness of Cranio-cervical exercise combined with usual care among patients with chronic neck pain. **Journal of Preventive & Social Medicine**. Vol. 38, no.1, January 2019.
12. Characteristics of Pain, Disability and Quality of Life in Patients with Knee Osteoarthritis. **Journal of Scientific and Technological Research**. Vol. 4, issue. 1, 2022
13. Interpretation and Therapeutic Intervention of Lumbosacral Transitional Vertebra (LSTV). **Biomedical Journal of Scientific and Technological Research**. Vol. 5, No. 1, 2023, DOI: 10.26717/BJSTR.2023.47.007569.
14. Association between BMI and plantar fasciitis among hospital staff in a selected hospital of Dhaka city. **International Journal of Community Medicine and Public Health**, Vol. 10, No. 4, 2023. DOI: <https://dx.doi.org/10.18203/2394-6040.ijcmph20230903>.
15. Quality of life of workers with disabilities in readymade garments factories in Bangladesh. **International Journal of Research in Medical Sciences**, Vol. 11, No. 5, 2023. 10.18203/2320-6012.ijrms20231303.
16. Barriers of Rehabilitation Services among the Stroke Patients in the Selected Community area of Dhaka, Bangladesh. **Journal of Scientific and Technological**

Research. Vol. 5, issue. 1, 2023, **DOI:** [https://doi.org/10.59738/jstr.v5i1.23\(43-48\).tmih4644](https://doi.org/10.59738/jstr.v5i1.23(43-48).tmih4644).

Academic and/or Administrative Responsibilities/Duties

- **Member of Curriculum committee Master of Disability Management and Rehabilitation (MDMR), SST, BOU**
- Member of school committee from 2024 to continuing.
- Teaching 04 courses and thesis supervisor of MDMR program learners.
- Recorded 13 videos and 13 audios related to MDMR program and non-formal health related program in the BOU media centre.

Training/Short Course/Workshop

- Queen's certificate in online program: Disability in the community, community Based Rehabilitation (CBR) and International Development, ICACBR, Queen's University.
- **Faculty development on OER-Based Blended Learning at Bangladesh Open University, Gazipur Campus, from 17-19 December 2023.**
- **Participated day long training on Mendeley practical referencing system, February 2024, Organized by, IQAC, BOU**

Member of Professional Body

- General member of Bangladesh Physiotherapy Association (BPA) from 2008 and my membership number is GM- 176.
- Member- Bangladesh Open University Teachers Association, Bangladesh Open University from 2021 to present.

Samena Akter Kakuli

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(Samena Akter Kakuli)