

## Peer Reviewed Publications

1. Muztaba Fuad, **Monika Akbar**, William D Croslen. "The Effectiveness of a Mobile Educational Platform for Engaging Students in Out-of-class Activities". VII IEEE World Engineering Education Conference (EduNine), 2023.
2. Muztaba Fuad and **Monika Akbar**. 2022. "Effect of Peer Influence and Self-Reflection on Scaffolded Out-of-Class Activity Administered Using a Mobile Application" *Education Sciences* 12, no. 12: 863. <https://doi.org/10.3390/educsci12120863>
3. Muztaba Fuad, **Monika Akbar**, Clay Gloster, Nathan Aun, and Lynn Zubov, "A Mobile Educational Platform based on Peer Influence and Instructional Scaffolding for Engaging Students in Out-of-class Activities", Intl. Conference on Advanced Learning Technologies (ICALT) 2021: 61-65 <https://doi.org/10.1109/ICALT52272.2021.00026>
4. Muztaba Fuad, **Monika Akbar**, Lynn Zubov, and Debzani Deb, "Out-of-class Activities: What Have We Been Doing and How We Can Change it for the Future", in International Conference on Computer Science & Education (ICCSE) 2019: 714-719 <https://doi.org/10.1109/ICCSE.2019.8845513>
5. Muztaba Fuad, **Monika Akbar**, and Lynn Zubov, "Dysgu: A Mobile-Based Adaptive System to Redesign Out-of-class Activities", in proceedings of the 48th Annual Frontiers in Education (FIE) Conference, 2018, 1-5. <https://doi.org/10.1109/FIE.2018.8659143>
6. **Monika Akbar**, Lucia Dura, Ann Q. Gates, Angel Ortega, Mary K Roy, Claudia Santiago, Jesus G Tellez, and Elsa Villa, "Sol y Agua: A Game-based Learning Platform to Engage Middle-school Students in STEM", in Proceedings of the 48th Annual Frontiers in Education (FIE) Conference, 2018, 1-9. <https://doi.org/10.1109/FIE.2018.8659071>

## Peer-reviewed Abstracts

1. **Monika Akbar**, Katherine Mortimer, Grecia Navarrete, Stephanie Galvan, George Molina, Romelia Reyes, Cynthia Ontiveros, Scott Gray, Sarah Escandon, Monica Lyons, Pedro Delgado, Victor Medrano, Haleigh Kneedler, Patricia Benitez, Jacob Ramirez, Jesus Vazquez, and Melissa Anderson, "The Sol y Agua RPP: A Bilingual and Culturally Responsive Approach to Introduce Computational Thinking in Middle School", in SIGCSE 2022: 1096, <https://doi.org/10.1145/3478432.3499050>
2. Muztaba Fuad, **Monika Akbar**, and Lynn Zubov, "Keeping Students Occupied with the Course Contents After Leaving the Classroom", in ITiCSE 2020: 545-546
3. Muztaba Fuad, **Monika Akbar**, and Lynn Zubov, "Social Learning and Scaffolding to Improve Student's Self-efficacy and Engagement", in SIGCSE 2020: 1288
4. Muztaba Fuad, **Monika Akbar**, and Lynn Zubov. "Active Learning for Out-of-Class Activities by Using Interactive Mobile Apps", in Sixth International Conference on Learning and Teaching in Computing and Engineering, April, 2018, <http://par.nsf.gov/biblio/10057677>.
5. Ann Q. Gates, Mary Roy, **Monika Akbar**, Florencia Larsen, Ivonne Lopez, Christian Murga, Angel Ortega, Jesus Tellez, and Rebecca Urbina, "The Sol y Agua Project:

Enhancing Middle School Education through Computing with an Emphasis on Simulation and Data Science”, in SIGCSE, 2016, 699. doi:{10.1145/2839509.2850574}

**Audio/Video Recording, Presentation:**

- Katherine Mortimer, **Monika Akbar**, et. al (2021). Sol y Agua: Bilingual, culturally relevant CS curriculum. 2021 STEM For All Video Showcase.  
<https://multiplex.videohall.com/presentations/2139>