



# Curriculum vitae

Bisma Parveez

## CONTACT

✉ mirbisma5555@gmail.com

☎ +919596065555

📍 3/4 Karan Nagar, Kaka Sarie,  
Wing A, Link 1, House no. 4,  
Srinagar, Jammu and Kashmir  
Pin code- 190010

## PERSONAL DETAILS

Date of Birth:- 12 January 1992

Father's Name:- Mr. Parveez Ahmad

Mother's name:- Mrs Mubeena Akhter

Husband's name: Mr. Sajid Zahoor

Nationality:- Indian

Marital Status:- Married

## LANGUAGES

• English, Urdu, Hindi and Kashmiri.

## SKILLS

- Public Speaking
- Powerpoint presentations
- Video editing
- Poster Preparation
- Operating research equipment ANOVA,
- MENDELEY & ORIGIN

## EDUCATION

- Ph.D in Engineering at International Islamic University Malaysia, Kuala Lumpur, Malaysia, 2023
- Master's in Mechanical Engineering at National Institute of Technology Srinagar, Jammu & Kashmir, 2018 with CGPA-8.85.
- Bachelors in Mechanical Engineering at SSM College of Engineering & Technology, ( University of Kashmir), 2015 with 80%
- 12th class studied from Sir Syed Memorial College (J.K. BOSE),, 2009 with 84.9%.
- Matriculation at Srinagar British School (J.K BOSE), 2007 with 84.2%.

## EXPERIENCE

Graduate Research Assistant/  
Research Officer

At International Islamic University  
Malaysia, (February 2020-April 2021)

Graduate Research Assistant/  
Research Officer

At International Islamic University  
Malaysia, (February 2022-November 2022)

Guest Lecturer

At National Institute of Technology  
(September 2024-December 2024)

## Publications (Journal Articles)

- [Parveez, B.](#) and Wani, M.F., 2021. Tribological behaviour of nano-zirconia reinforced iron-based self-lubricating composites for bearing applications. *Tribology International*, 159, p.106969. (ISI-Q1 Impact Factor-5.62)
- [Parveez, B.](#), Maleque, M.A. and Jamal, N.A., 2021. Influence of agro-based reinforcements on the properties of aluminum matrix composites: a systematic review. *Journal of Materials Science*, 56(29), pp.16195-16222. (ISI-Q1 Impact Factor-4.5)
- [Parveez, B.](#), Jamal, N. A., Maleque, A., Yusof, F., Jamadon, N. H., & Adzila, S. (2021). Review on advances in porous Al composite and the possible way forward. *Journal of Materials Research and Technology*, 14, 2017-2038. (ISI-Q1 Impact Factor-6.267)
- [Parveez, B.](#), Kittur, M.I., Badruddin, I.A., Kamangar, S., Hussien, M. and Umarfarooq, M.A., 2022. Scientific advancements in composite materials for aircraft applications: a review. *Polymers*, 14(22), p.5007. (ISI-Q1 Impact Factor-4.32)
- [Parveez, B.](#), Jamal, N. A., Anuar, H., Ahmad, Y., Aabid, A., & Baig, M. (2022). Microstructure and mechanical properties of metal foams fabricated via melt foaming and powder metallurgy technique review. *Materials*, 15(15), 5302. (ISI-Q1 Impact Factor-3.601)
- [Parveez, B.](#), Jamal, N. A., Aabid, A., Baig, M., & Yusof, F. (2023). Experimental analysis and parametric optimization on compressive properties of diamond-reinforced porous al composite. *Materials*, 16(1), 91. (ISI-Q1 Impact Factor-3.601).
- [Parveez, B.](#), Jamal, N. A., Maleque, M. A., Rozhan, A. N., Aabid, A., & Baig, M. (2023). Optimizing the compressive properties of porous aluminum composite by varying diamond content, space holder size and content. *Materials*, 16(3), 921. (ISI-Q1 Impact Factor-3.601)
- [Parveez, B.](#), Jamal, N.A., Maleque, M.A., Azhar, A.Z.A., Zaki, H.H.M., Aabid, A. and Baig, M., 2023. Improvement in effectiveness of diamond in strengthening the porous aluminium composite. *Journal of Materials Research and Technology*, 25, pp.25-37. (ISI-Q1 Impact Factor-6.267)
- [Parveez, B.](#), Jamal, N.A., Aabid, A. and Baig, M., 2023. Microstructure and Strengthening Effect of Coated Diamond Particles on the Porous Aluminum Composites. *Materials*, 16(8), p.3240. (ISI-Q1 Impact Factor-3.601)
- [Parveez, B.](#), Abu Bakar, M.S., Aabid, A. and Baig, M., 2024. A comprehensive review of PLA-blended biocomposites and their application in biomedical and food packagings. *Polymer-Plastics Technology and Materials*, 63(18), pp.2453-2483. (ISI-Q2 Impact Factor-2.6)
- [Parveez, B.](#), Jamal, N.A., Nazurah, N.I., Aabid, A. and Baig, M., 2024. Effects of Diamond Content on the Morphology and Compressive Properties of Porous Aluminum Composites. *ACS omega*, 9(34), pp.36690-36698. (ISI-Q2 Impact Factor-3.7)
- [Parveez, B.](#), Jamal, N.A., Mohammad Kadri, S.B., Ahmad, M. and Qayoum, A., 2025. Effect of addition of boron and B4C coated diamond on the microstructure and compressive behaviour of porous aluminium composites. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, p.09544089251315603. (ISI-Q2 Impact Factor-2.3)
- Rasheed, M., Jawaid, M., [Parveez, B.](#), Zuriyati, A. and Khan, A., 2020. Morphological, chemical and thermal analysis of cellulose nanocrystals extracted from bamboo fibre. *International Journal of Biological Macromolecules*, 160, pp.183-191. (ISI-Q1 Impact Factor-8.025)
- Rasheed, M., Jawaid, M. and [Parveez, B.](#), 2021. Bamboo Fiber Based Cellulose Nanocrystals/Poly (Lactic Acid)/Poly (Butylene Succinate) Nanocomposites: Morphological, Mechanical and Thermal Properties. *Polymers*, 13(7), p.1076. (ISI-Q1 Impact Factor-4.43)
- Rasheed, M., Jawaid, M. and [Parveez, B.](#), 2021. Biodegradable composites from bamboo Fibers-Mechanical and Morphological Study. (ISI-Q1 Impact Factor-3.601)
- Rasheed, M., Jawaid, M., [Parveez, B.](#), Hussain Bhat, A. and Alamery, S., 2021. Morphology, Structural, Thermal, and Tensile Properties of Bamboo Microcrystalline Cellulose/Poly (Lactic Acid)/Poly (Butylene Succinate) Composites. *Polymers*, 13(3), p.465 (ISI-Q1 Impact Factor-4.43)
- Rasheed, M., Jawaid, M. and [Parveez, B.](#), 2021. Bamboo fiber based cellulose nanocrystals/poly (Lactic acid)/poly (butylene succinate) nanocomposites: Morphological, mechanical and thermal properties. *Polymers*, 13(7), p.1076. (ISI-Q1 Impact Factor-4.43)

- Aabid, A., Parveez, B., Raheman, M.A., Ibrahim, Y.E., Anjum, A., Hrairi, M., Parveen, N. and Mohammed Zayan, J., 2021, May. A review of piezoelectric material-based structural control and health monitoring techniques for engineering structures: Challenges and opportunities. In *Actuators* (Vol. 10, No. 5, p. 101). MDPI. (ISI-Q2 Impact Factor-2.253)
- Aabid, A., Parveez, B., Parveen, N., Khan, S.A. and Shabbir, O., 2022. A Case Study of Unmanned Aerial Vehicle (Drone) Technology and Its Applications in the COVID-19 Pandemic. *J. Mech. Eng. Res. Dev*, 45, pp.70-77.
- Aabid, A., Parveez, B., Parveen, N., Khan, S.A., Zayan, J.M. and Shabbir, O., 2022. Reviews on design and development of unmanned aerial vehicle (drone) for different applications. *J. Mech. Eng. Res. Dev*, 45(2), pp.53- 69.

## Publications (Conference)

- [Parveez, B.](#), Wani, M.F., firdos Ali, M., Banday, S., Mir, M.J. and Mushtaq, S., 2019, July. Tribological Characterization of Iron Based Ceramic Reinforced Self-lubricating Material. In *Journal of Physics: Conference Series* (Vol. 1240, No. 1, p. 012108). IOP Publishing.
- [Parveez, B.](#), Jamal, N.A., Kadri, S.B.M., Zaki, H.H.M. and Azhar, A.Z.A., 2023, May. Microstructure and Mechanical Properties of Porous Aluminium Composites Reinforced with Diamond Particles. In *Proceeding of 5th International Conference on Advances in Manufacturing and Materials Engineering: ICAMME 2022*, 9—10 August, Kuala Lumpur, Malaysia (pp. 41-46). Singapore: Springer Nature Singapore.
- [Parveez, B.,](#) Jamal, N.A. and Raeez, M., 2023. Investigation of Morphology and Compressive Properties of Diamond Reinforced Porous Aluminium Composites. *Asian Journal of Fundamental and Applied Sciences*, 4(1), pp.12-17.
- [Parveez, B.](#), Jamal, N. A., Muhammad, R. (2022). Effect of uncoated and coated diamond on the compressive properties of porous aluminium composites,". Presented at the The 8th International Conference on Mechanical, Manufacturing and Plant Engineering, (ICMMPPE).(Material Science and Engineering Technology)
- Banday, S., Wani, M.F., Mir, M.J. and [Parveez, B.](#), 2019, October. Adhesion Property of Self-lubricating Si/MoS<sub>2</sub> Nanocoating at Nano-scale Level. In *IOP Conference Series: Materials Science and Engineering* (Vol. 561, No. 1, p. 012082). IOP Publishing.
- Mir, M.J., Wani, M.F., Banday, S. and [Parveez, B.](#), 2019, July. Influence of cutting fluid conditions on tool wear and surface roughness in hard turning AISI-D2 Steel using mixed ceramic tools. In *Journal of Physics: Conference Series* (Vol. 1240, No. 1, p. 012109). IOP Publishing.
- Ali, M.F., Wani, M.F., Banday, S., [Parveez, B.](#), Mir, M.J. and Mushtaq, S., 2019, July. Tribological Characterization of Cu-Ni Metal Matrix Composites Using MoS<sub>2</sub> Nano-lubricant. In *Journal of Physics: Conference Series* (Vol. 1240, No. 1, p. 012135). IOP Publishing.
- Aabid, A., Khan, S.A., Al-Khalifah, T., [Parveez, B.](#), and Anjum, A., 2021. Parametric Analysis of Adhesively Bonded Single Lap Joint Using Finite Element Method. In *Intelligent Manufacturing and Energy Sustainability: Proceedings of ICIMES 2020* (pp. 675-686). Springer Singapore.

## Book Chapters

- [Parveez, B.](#), 2024. Rapid prototyping of core materials in aircraft sandwich structures. In *Modern Manufacturing Processes for Aircraft Materials* (pp. 63-87). Elsevier.
- [Parveez, B](#) and Rasheed, M., 2021. Coating on packaging products to enhance shelf life. In *Biopolymers and Biocomposites from Agro-Waste for Packaging Applications* (pp. 1-33). Woodhead Publishing
- Aabid, A., Khan, S.A., Al-Khalifah, T., [Parveez, B.](#), and Anjum, A., 2021. Parametric Analysis of Adhesively Bonded Single Lap Joint Using Finite Element Method. *Smart Innovation, Systems and Technology*.
- Alam, M.A., Ya, H.H., Sapuan, S.M., Mamat, O., [Parveez, B.](#), Yusuf, M., Masood, F. and Ilyas, R.A., 2022. Recent advancements in advanced composites for aerospace applications: a review. *Advanced Composites in Aerospace Engineering Applications*, pp.319-339.

## Achievements and Awards

- Best Student Award in PhD in Engineering from International Islamic University Malaysia.
- Secured third ranking in BTech and second position in MTech..
- Best women inventor award and gold award at the 8th annual edition of the international innovation competition in Canada ICAN 2023 held on August 26th 2023 in Toronto, Canada.
- Served as a President in "Postgraduate Student Association (PGSA 2022-2023), Kulliyah of Engineering, International Islamic University Malaysia, Kuala Lumpur, Malaysia.
- Received "Bronze medal" in Kulliyah of Engineering Research, Innovation and Commercialization Exhibition (KERICE) 2022, held at KAED and organized by Kulliyah of Engineering, International Islamic University Malaysia, Kuala Lumpur, Malaysia.
- Received "IIUM Sejahtera award" for Semester 2 (2021-2022) and Semester 1 (2022-2023), Centre for Postgraduate Studies, International Islamic University Malaysia, Kuala Lumpur, Malaysia.
- Presented and received certification of appreciation in a research video competition 2022 for title "Porous Aluminium Composite: Fabrication and Analysis", organized by Kulliyah of Engineering, International Islamic University Malaysia, Kuala Lumpur, Malaysia.
- Received best 3 minute thesis (MT) presentation award for the title "Strengthening of porous Aluminium Foam Composite" 3MT 2022, International Islamic University Malaysia, Kuala Lumpur, Malaysia.
- Served as a Vice-President in "Postgraduate Student Association (PGSA 2020-2021), Kulliyah of Engineering, International Islamic University Malaysia, Kuala Lumpur, Malaysia.

## Declaration

I hereby declare that all the information given above by me is true to best of my knowledge.

*Bisma*

BISMA PARVEEZ