

FACULTY CURRICULUM VITAE

Name :Professor Dr. Abdul Qadir Bhatti

Email:abdulqadir@iiu.edu.pk

Education:

Postdoc: Structural and Earthquake Engineering, University of California Berkeley, USA, 2015

PhD: Civil Engineering, Muroran Institute of Technology Japan, 2008

ME: Earthquake Engineering, Tokyo Institute of Technology Japan, 2005

MS: Structural Engineering, National University of Sciences & Technology (NUST), Pakistan, 2001

BS/BE: Civil Engineering, NED University of Engineering and Technology Karachi Pakistan, 1999

Academic experience –

06/18- *Present* Professor, Department of Civil Engineering, International Islamic University Islamabad, Pakistan

04/15- 06/18 Associate Professor, Department of Civil Engineering, Islamic University Madinah, KSA and National University of Sciences and Technology, NUST, Islamabad.

04/14-03/15 *Fulbright Visiting* Professor, Department of Civil & Environmental Engineering, University of California Berkeley.

11/12-03/14 Associate Professor, Department of Civil & Environmental Engineering, National University of Sciences and Technology (NUST), Islamabad, Pakistan.

04/08-10/12 Assistant Professor, Department of Civil & Environmental Engineering, National University of Sciences and Technology (NUST), Islamabad, Pakistan.

09/99-03/08 *Lecturer*, Department of Civil & Environmental Engineering, National University of Sciences and Technology (NUST), Islamabad, Pakistan.

Non-academic experience –

01/99-08/99 Design Engineer Astaldi Ferro Cemento J.V, Pakistan, Full Time

Certifications or professional registrations

Member American Concrete Institute (ACI) Faculty Network

Member ACI Committee 369 (Seismic Repair and Rehabilitation), ACI Committee 349 (Concrete Nuclear Structures) and ACI Committee 370 (Blast and Impact Load Effects)

Current membership in professional organizations

Member Saudi Council of Engineers (Membership No. 263014),, Pakistan Engineering Council (CIVIL19874), Pakistan Engineering Congress, No. 4389, Institute of Engineers Pakistan M-18462/ISL-2718, ASCE, ACI (No. 01110482), JSCE Japan, JCI Japan, AIJ Japan, MAAP Pakistan

Honors and awards

Fulbright Visiting Scholar Program 2013-2014 at University of California Berkeley, USA

PCST RESEARCH PRODUCTIVITY AWARDS 2012, 2013, 2014

Awarded Ministry of Education MEXT Monboshō scholarship Japan April 2002 to Mar 2008

President Gold Medal for first Class first position in MS Structure at NUST

Service activities

Lead Guest Editor of the open issue of Journal of Shock and Vibration "Modelling of Structures under Seismic, Impact, and Shock Vibrations"

<https://www.hindawi.com/journals/sv/si/756947/cfp/>

- PI of two funded research project at Islamic University Madinah

Selected Impact Factor Journal Publications:

1. **Bhatti A. Q.** Impact Response analysis of Rock shed under falling weight, *Journal of Materials and Structures*, Oct 2015, Volume 48, Number 10, 3367-3375, Springer, ISSN 1359-5997, (Impact Factor 2.607) Available Online <http://dx.doi.org/10.1617/s11527-014-0405-5>
2. **Bhatti A. Q.** Performance of Viscoelastic dampers (VED) under various temperatures and application of Magnetorheological dampers (MRD) for seismic control of structures, *Mechanics of Time Dependent Materials (MTDM)*, Volume 17, Issue 3, 2013, pp. 275-284, Springer, Impact Factor 1.014, ISSN: 1385-2000, <http://dx.doi.org/10.1007/s11043-012-9180-2>
3. **Bhatti A. Q.** Probabilistic Hazard Analysis of Quetta Pakistan, *Journal of Science & Technology, Transactions of Civil Engineering*, Vol. 37, No. C1, pp. 157-162, 2013, Springer, Impact Factor 0.182, ISSN 2228-6162
4. **Bhatti A.Q.** Application of Dynamic Analysis and Modelling of Structural Concrete Insulated Panels (SCIP) for Energy Efficient Buildings in Seismic Prone Areas, *Elsevier Journal of Energy and Building*, (Impact Factor 4.076) , 2016, Vol. 128, pp. 164-177, ISSN: 0378-7788, <http://dx.doi.org/10.1016/j.enbuild.2016.06.049>
5. **Bhatti A.Q.** Scaled Accelerographs for Design of Structures in Quetta, Baluchistan Pakistan, *International Journal of Advanced Structural Engineering (IJASE)*, Springer, December 2016, Volume 8, Issue 4, pp 401–410. <http://link.springer.com/article/10.1007/s40091-016-0141-x>
6. **Bhatti A.Q.**, Seismic Analysis of Reactor Building of a NPP based on ASCE 4-98 and RCC-G Method, 7(11), pp. 14461-14465, *International Journal of Recent Scientific Research* ISSN: 0976-3031 <http://recentscientific.com/sites/default/files/6553Article%20ijrsr.pdf>
7. **Bhatti A. Q.** Seismic Evaluation and effect of shear wall of high-rise buildings using drift control, Vol. 6, No. 2, 2017, Pages: 57-62, *International Journal of*

- Advanced Structures and Geotechnical Engineering, ISSN 2319-5347. (Impact Factor 0.763) <http://basharesearch.com/IJASGE/1060202.pdf>
8. **Bhatti A.Q.** Dynamic Response Characteristics of Steel Portal Frames having Semi Rigid Joints under Sinusoidal Wave Excitation, *International Journal of Advanced Structural Engineering (IJASE)*, Springer, December 2017, Volume 9, **Issue 4**, pp 309–313. Available Online <https://link.springer.com/article/10.1007/s40091-017-0167-8>
 9. **Bhatti A. Q.**, Structural Health Monitoring of single degree of freedom flexible structure having Active Mass Damper under seismic load, Vol 3, Issue 1, 2018, Accepted, Springer Journal of Innovative Infrastructure Solutions ISSN: 2364-4176, <http://dx.doi.org/10.1007/s41062-018-0139-2>
 10. **Bhatti A. Q.**, Computational modelling of energy dissipation characteristics of expanded polystyrene (EPS) cushion of RC bridge girder under rockfall impact, Springer, 2018, International Journal of Civil Engineering, (Impact Factor 0.624) ISSN: 1735-0522, <http://dx.doi.org/10.1007/s40999-018-0304-1>
 11. **Bhatti, A. Q.** and Kishi, N., Impact response of RC rock-shed girder with sand cushion under falling load. Journal of Nuclear Engineering and Design, Elsevier, Volume 240, Issue 10, 2010, pp. 2626-2632, Impact Factor 0.972, 2010, ISSN 0029-5493, <http://dx.doi.org/10.1016/j.nucengdes.2010.07.029>
 12. **Bhatti A. Q.** Kishi, N. Impact response analysis of prototype RC girders with sand cushion using equivalent fracture energy concept" International Journal of Damage Mechanics, Sage Journal Publisher, (Impact Factor 1.721), 2011, Volume 20, Issue 7, 1094-1111, ISSN 1056-7895. <http://dx.doi.org/10.1177/1056789510397067>
 13. **Bhatti, A. Q.** Kishi, N., An application of impact-response analysis on small-scale RC arch-type beams without stirrups Elsevier Journal of Construction and Building Materials, Volume 25, Issue 10, 2011, Pages 3972-3976, (Impact Factor 2.265 ISSN 0950-0618) Available Online (ISI indexed) <http://dx.doi.org/10.1016/j.conbuildmat.2011.04.030>
 14. **Bhatti A. Q.** Kishi, N. Control of FRP Debonding in Strengthened RC Beams, Arab Journal of Science and Engineering, AJSE KFUPM, Springer, Impact Factor (0.867), Volume 37, Issue 8, pp 2103-2112, 2012, ISSN 1319-8025, <http://dx.doi.org/10.1007%2Fs13369-012-0304-4>
 15. Kishi, N., and **Bhatti A. Q.** An equivalent fracture energy concept for nonlinear dynamic response analysis of prototype RC girders subjected to falling-weight impact loading. International Journal of Impact Engineering, Volume 37, Issue 1, 2010, Pages 103-113, (Impact Factor 2.01), ISSN 0734-743X, <http://dx.doi.org/10.1016/j.ijimpeng.2009.07.007>
 16. **Bhatti A.Q.** Kishi N. Shameem K. Applicability of the impact response analysis method for Reinforced Concrete (RC) beams mixed with Poly Vinyl Alcohol (PVA) short fibers, International Journal of Polymer Processing, Hanser Publisher, Volume 26 Issue 5, Pages 470-477 (Impact Factor 0.682), ISSN 0930-777X, Available Online, <http://dx.doi.org/10.3139/217.2405>
 17. **Bhatti, A. Q.** N. Kishi and H. Mikami, An applicability of dynamic response analysis of shear-failure type RC beams with lightweight aggregate concrete

- under falling-weight impact loading. *Journal of Materials and Structures*, Springer, Volume 44, Number 1, 221-231, 2011, (Impact Factor 1.714) ISSN 1359-5997, <http://dx.doi.org/10.1617/s11527-010-9621-9>
18. **Bhatti A. Q.** Kishi N. and Tan KH, Impact resistant behaviour of an RC slab strengthened with FRP sheet, *Journal of Materials and Structures*, Springer, Volume 44, Number 10, 1855-1864, 2011, (Impact Factor 1.714) ISSN 1359-5997 (ISI indexed), Available Online, <http://dx.doi.org/10.1617/s11527-010-9621-9>
 19. Zeeshan Alam, Abbas Haider, **Bhatti A. Q.** Seismic Evaluation and Retrofit of Existing building in Islamabad using Nonlinear Static Analysis, Vol. 2, No. 4, 2013, Pages: 157-160, *International Journal of Advanced Structures and Geotechnical Engineering*, ISSN 2319-5347, Scientific Journal Impact Factor 3.929, <http://basharesearch.com/IJASGE/1020406.pdf>
 20. Khan, D. S. Shan, and **Bhatti A. Q.** Temperature effect analysis of viscoelastic damper and Magnetorheological damper for vibration control of stayed-cable, *Bridge Maintenance, Safety, Management and Life Extension*. May 2014, 2167 - 2175, <http://dx.doi.org/10.1201/b17063-332>
 21. **Bhatti A. Q.** Kishi, N., and Mikami H. and Ando, T, Elasto-Plastic Impact Response Analysis of Shear-failure type RC beams with shear rebars *Materials & Design*, Elsevier, 03, 2009, 30-2, pp. 502-510, (Impact Factor 3.171), ISSN 0261-3069, <http://dx.doi.org/10.1016/j.matdes.2008.05.068>
 22. **Bhatti, A. Q.** N. Kishi, H. Konno, H. Mikami, Elasto plastic dynamic response analysis of prototype RC girder under falling-weight impact loading considering mesh size effect. *Journal of Structure and Infrastructure Engineering*, Taylor and Francis, Vol. 8, No. 9, 2012, 817–827 (Impact Factor 0.954), ISSN 1573-2479, Available Online, <http://dx.doi.org/10.1080/15732479.2010.492838>
 23. **Bhatti A. Q.** Zamir S. Z Rafi, Z Khatoon, Q Ali. Probabilistic seismic hazard analysis of Islamabad, *Journal of Asian Earth Sciences*. (Impact Factor 2.831), ISI Indexed, 2011, Vol 42 (3), 468-478, Available Online on sciencedirect.com, ISSN 1367-9120, <http://dx.doi.org/10.1016/j.jseaes.2011.05.006>
 24. **Bhatti A. Q.** K. Shameem, Mahmood Aamir, Dastagir Abid and N Kishi “Numerical study for impact resistant design of full scale arch type reinforced concrete structures under falling weight impact test”, *Journal of Vibration and Control*, Sage Publisher, in Volume 18 Issue 9, 2012 pp. 1275 – 1283, Impact Factor 4.35, ISI Indexed, ISSN 1077-5463, <http://dx.doi.org/10.1177/1077546311419176>
 25. Varum H, Teixeira-Dias F, Marques P, Pinto A and **Bhatti A. Q.** Performance evaluation of retrofitting strategies for non-seismically designed RC buildings using steel braces, *Bulletin of Earthquake Engineering*, Volume 11, Issue 4, 2013, pp. 1129-1156, Springer, Impact Factor 1.368, 1570-761X, Accepted, Available Online, <http://dx.doi.org/10.1007/s10518-012-9421-4>
 26. Jamal Ali, **Abdul Qadir Bhatti**, Mansoor Khalid, Junaid Waheed, and Shaqran Zuberi, A comparative Study to Analyze the Effectiveness of Shear Walls in Controlling Lateral Drift for Medium to High Rise Structures (10 – 25 Storeys), **International Proceedings of Chemical, Biological and Environmental**

Engineering (IPCBEE), journal, Vol. 80, Issue 7., 2015. **ISSN:** 2010-4618<http://www.ipcbee.com/vol80/007-ICGCE2015-G0020.pdf>

Professional development activities

- Workshop on International Standards for Scientific Publications 7th Feb 2018, Deanship of quality and accreditation, Islamic University Madinah, KSA
- Development of Performance Based Earthquake Engineering for Seismic Retrofitting of Reinforced Concrete Multi-storey Buildings and Traditional Constructions, March 11 2015, PEER Seminar Hall UC Berkeley, USA

