

Curriculum Vaite of Professor Dr. Md. Harunor Rashid Khan



- **Full Name & Present Address:** Md. Harunor Rashid Khan
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E-Mail: kharunor@ksu.edu.sa
- **Date of birth:** 01-04-1967
- **Nationality:** Bangladeshi by birth.
- **Educational Qualifications:**
- **Post Doctorate :** 2003-2005, at Tokyo Institute of Technology, Japan on Experimental High Energy Physics, Under Japan Society for the Promotion of Science (JSPS). Worked with the Belle Collaboration at the High Energy Accelerator Research Organization (KEK).
(*Belle is an international collaboration consisting the scientists from more than 60 institutes and 20 countries of the world*).
 - **Post Doctorate :** 2007-2007, Saga University, Japan on Experimental High Energy Physics, Under JSPS Invitation Fellowship Program. Worked with the Belle Collaboration at KEK.
 - **Ph. D . :** In 1999 from Saga University, Japan in Experimental High Energy Physics.
(*Wrote the Ph.D thesis on the Belle Experiment. The Experimental goal of Belle experiment is to study of the CP violation, a tiny violation of matter-antimatter symmetry*).
 - **M. Sc. :** In 1992 from Jahangirnagar University, Bangladesh in Nuclear & Radiation Physics (Thesis Group), secured 1st class and 2nd position in order of merit.
(*Wrote the M. Sc. thesis on the Radiation Shielding of*

TRIGA MARK-II research reactor which is placed at the Bangladesh Atomic Energy Commission, Savar, Dhaka, Bangladesh.)

(Medium of Learning was in English)

- **B.Sc.(Hons.) :** In 1990 from Jahangirnagar University, Bangladesh in Physics, secured 1st class and 2nd position in order of merit.

(Medium of Learning was in English)

- **H.S.C :** In 1985 from Patuakhali Govt. College in science group, and secured 1st division .
(Higher Secondary School Certificate)

- **S.S.C :** In 1982 from B.G. Union Academy in science group, and secured 1st division
(Secondary School Certificate)

■ Experiences in Teaching:

In chronological order (Appointments, tenure of service etc):

- Lecturer, Dept. of Physics, Khulna University of Engineering and Technology, Khulna, Bangladesh, from May 17, 1992 to June 14, 1994.
- Lecturer in Physics, Khulna University, Khulna, Bangladesh, from June 15, 1994 to April 18, 1999.
- Assistant Professor in Physics, Khulna University, Khulna, Bangladesh, from April 19, 1999 to April 18, 2002.
- Associate Professor in Physics, Khulna University, Khulna Bangladesh, from April 19, 2002 to April 18, 2006.
- Professor in Physics, Khulna University, Khulna Bangladesh, from April 19, 2006 to till now.
- Professor in Physics, Khulna University, Khulna Bangladesh, from April 19, 2006 to December 2015
- Professor in the Department of Physics & Astronomy, King Saud University (KSU), KSA
from January 17, 2016 to till now (On Lien from Khulna University)

Total Teaching Experience=24 years +

■ Courses Taught at Undergraduate and Graduate Programs:

(Medium of Instruction in Khulna University is English)

At KSU:

Quantum Mechanics
Classical Mechanics

Statistical Physics
General Physics

In Khulna University:

Quantum Mechanics
Nuclear Physics
Radiation and Health Physics
High Energy Physics
Particle Physics
Reactor Physics
Modern Physics
Mathematical Methods in Physics
Basic Electronics
Optoelectronics and Optical fiber Communication
Semiconductor Physics
Electricity and Magnetism
Heat and Thermodynamics
Optics
Mechanics, Properties of Matters and Waves

■ Number of Students Guided:

Undergraduates: 25

Graduates: 14

■ Number of Completed Research Project: 8

■ Other Professional Experiences:

- Belle Collaborator: High Energy Accelerator Research Organization (KEK), Japan, from 1996 to 2006.
- Regular Associate: The Abdus Salam International Centre for Theoretical Physics (ICTP), Italy, from 1st January, 2003 to 31st December, 2010.
- Life Member: Bangladesh Physical Society.

■ Other Academic & Administrative Experiences

Academic & Administrative:

- Dean, Science, Engineering & Technology School, Khulna University, from 1st November, 2010 to 5th November, 2012.
- Head, Physics Discipline of Khulna University, from 1st July, 2009 to till now.
- Director, Khulna University Research Cell, from 22nd August, 2008 to 5th November, 2010.
- Head, Electronics and Communication Engineering (ECE) Discipline of Khulna University, from 1st January, 2003 to 18th November 2003.
- Member of the Editorial Board of Khulna University Studies, from 31st December, 2001 to 18th November, 2003.

Administrative:

- Syndicate member of Khulna University, from 1st December 2010 to 5th November 2012 & from 10th March, 2002 to 18th November 2003. (Syndicate is the supreme academic & administrative authority of the university)
- Academic Council Member of Khulna University, from 1st November 2010 to 5th November 2012.
- Chairman of the Executive Committee of the Science, Engineering & Technology School, Khulna University, from 1st November 2010 to 5th November 2012.
- Provost of a Student's Hall, Khulna University, from 10th March, 2002 to 18th November 2003.
- Member of the 1st class employee appointment committee of Khulna university from 31st March, 2002 to 18th November, 2003 & 31st May, 2008 to 30th April, 2010.

■ Special Course/Training/Seminar/Workshop attended:

- Training course on “Radiation Safety” at Fukuoka, Japan in March 1996.
- Simulation and Reconstruction Workshop, Belle Collaboration, High Energy Accelerator Research Organization, KEK, Japan, from October 6th to October 9th, 1998.
- UNESCO Regional Training Course in Fibre Optics for College University Teachers held at Indian Institute of Technology, Kharagpur, India from 12th February, 2001 to 24th February, 2001.
- 32nd International Conference on High Energy Physics, Beijing, China, from August 16th to August 22nd, 2004.
- Japan Society for the Promotion of Science (JSPS) Invitation Fellowship from April, 2007 to June, 2007.
- “Entrepreneurship for Physicists and Engineers from Developing Countries” at the International Centre for Theoretical Physics (ICTP), Italy, 17-21 March, 2008
- “College on Medical Physics” at the International Centre for Theoretical Physics (ICTP), Italy, 1-19 September, 2008.

■ List of Research Publications:***List of Published Journal Papers***

(chronological order of the publication date)

- 1) Study of the Shielding Properties of Polyethylene, heavy concrete and its multilayer, Jahangirnagar Rev. Part A. **13-16** 95(1989-1992).
- 2) The monitoring system for the aerogel Cherenkov counter of the BELLE detector, Nucl. Instr. And Meth. A **413** 201(1998).
- 3) A Monte Carlo simulation study of charmless hadronic decays of B mesons in the BELLE experiment at KEK in Japan,

- Khulna Univ. Stud. **1(2)** 159(1999).
- 4) Silica aerogel Cherenkov counter for the KEK B-factory experiment, Nucl. Instr. And Meth. A **433** 385(1999).
 - 5) Aerogel Cherenkov counter for the BELLE detector, Nucl. Instr. And Meth. A **453** 321(2000).
 - 6) BELLE aerogel Cherenkov counter- A detector for particle identification, Khulna Univ. Stud. **2(2)** 275(2001).
 - 7) Optical Fiber- Past, Present and Future: A Review, Khulna Univ. Stud. **3(1)** 399(2001).
 - 8) η' production in B-meson decays: experimental inconsistency with theory Vs new Physics, Khulna Univ. Stud. **4(1)** 597(2002).
 - 9) KEK-B Factory- An experimental study for CP violation, Khulna Univ. Stud. **4(2)** 732(2002).
 - 10) A study on splicing losses in optical fiber communication system for BRWZ, Khulna Univ. Stud. **4(2)** 742(2002).
 - 11) A Monte Carlo simulation study of B meson decay into ωK , Khulna Univ. Stud **5(1)** 1(2003).
 - 12) Measurement of Φ_3 with Dalitz plot analysis of $B^\pm \rightarrow D^{(*)}K^\pm$ decay, Phys. Rev. D **70**, 072003(2004).
 - 13) Evidence for $B^0 \rightarrow \rho^0\pi^0$, Phys. Rev. Lett. **87**, 131802(2004).
 - 14) Observation of $B^+ \rightarrow \Lambda\Lambda K^+$, Phys. Rev. Lett. **93**, 211801(2004).
 - 15) Measurement of the Branching Fraction and CP Asymmetry in $B^+ \rightarrow \rho^+\pi^0$, Phys. Rev. Lett. **94**, 031801(2005).
 - 16) Observation of the decays $B^0 \rightarrow K^+\pi^-\pi^0$ and $B^0 \rightarrow \rho^-K^+$, Phys. Lett. B **599**, 148(2004).
 - 17) Study of double charmonium production in e^+e^- annihilation at $\sqrt{s} \approx 10.6$ GeV, Phys. Rev. D **70**, 071102(R)(2004).
 - 18) Improved measurements of the partial rate asymmetry in $B \rightarrow hh$ decays, Phys. Rev. D **71**, 031502(R)(2005).
 - 19) Study of $B^0 \rightarrow \rho^+\pi^-$, Phys. Rev. Lett. **94**, 121801(2005).
 - 20) Evidence for direct CP violation in $B^0 \rightarrow K^+\pi^-$ decays, Phys. Rev. Lett. **93**, 191802(2004).
 - 21) Study of Time-Dependent CP Violation $B^0 \rightarrow J/\psi\pi^0$ Decay, Phys. Rev. Lett. **93**, 261801(2004).
 - 22) Search for the CP Violation in the Decay $B^0 \rightarrow D^{*+}D^-$, Phys. Rev. Lett. **93**, 201802(2004).
 - 23) Observation of $B^0 \rightarrow D^{*-}(5\pi)^+$, $B^+ \rightarrow D^{*-}(4\pi)^{++}$ and $B^+ \rightarrow D^{*0}(5\pi)^+$, Phys. Rev. D **70**, 111103(R)(2004).
 - 24) Measurement of masses and branching ratios of Ξ_c^+ and Ξ_c^0 baryons, Phys. Lett. B **605**, 237(2005).
 - 25) Search for $D^0\bar{D}^0$ Mixing in $D^0 \rightarrow K^+\pi^-$ Decays and Measurement of Doubly-Cabibbo-Suppressed Decay Rate,

- Phys. Rev. Lett. **94**, 071801(2005).
- 26) Observation of $B^+ \rightarrow K^+ \eta \gamma$,
Phys. Lett. B **610**, 23(2005).
- 27) Observation of $B^0 \rightarrow D^{*s}(2317)^+ K^-$,
Phys. Rev. Lett. **94**, 061802(2005).
- 28) Study of the Suppressed Decays $B^- \rightarrow [K^+ \pi^-]_D K^-$ and $B^- \rightarrow [K^+ \pi^-]_D \pi^-$,
Phys. Rev. Lett. **94**, 091601(2005).
- 29) Observation of $B^+ \rightarrow K_1(1270)^+ \gamma$,
Phys. Rev. Lett. **94**, 111802(2005).
- 30) Measurements of branching fractions and CP asymmetries in $B \rightarrow \eta h$ decays,
Phys. Rev. D **71**, 091106(R)(2005).
- 31) Measurement of the of $\gamma \gamma \rightarrow \pi^+ \pi^-$ and $\gamma \gamma \rightarrow K^+ K^-$ processes at energies of 2.4-4.1 GeV,
Phys. Lett. B **615**, 39(2005).
- 32) Observation of $B^0 \rightarrow \pi^0 \pi^0$,
Phys. Rev. Lett. **94**, 181803(2005).
- 33) Dalitz analysis of the three-body charmless decays $B^+ \rightarrow K^+ \pi^+ \pi^-$ and $B^+ \rightarrow K^+ K^+ K^-$
Phys. Rev. D **71**, 092003(2005).
- 34) Observation of Near-Threshold $\omega J/\psi$ Mass Enhancement in Exclusive $B \rightarrow K \omega J/\psi$ Decays,
Phys. Rev. Lett. **94**, 182002(2005).
- 35) Observation of an Isotriplet of Excited Charmed Baryons Decaying to $\Lambda_c^+ \pi^-$,
Phys. Rev. Lett. **94**, 122002(2005).
- 36) Observation of $B^0 \rightarrow D^0 \eta'$ and $B^0 \rightarrow D^{*0} \eta'$.
Phys. Rev. D **72**, 011103(R)(2005).
- 37) Branching fraction, polarization and CP-violating asymmetries in $B^0 \rightarrow D^{*+} D^{*-}$ decays,
Phys. Lett. B **618**, 34(2005).
- 38) Search for $\tau \rightarrow e \gamma$ decay at Belle,
Phys. Lett. **613**, 20(2005).
- 39) Evidence for $B^0 \rightarrow D^+ D^-$ and observation of $B^- \rightarrow D^0 D^-$ and $B^- \rightarrow D^0 D^{*-}$ Decays,
Phys. Rev. Lett. **95**, 041803(2005).
- 40) Measurement of $\gamma \gamma \rightarrow p \bar{p}$ production at Belle,
Phys. Lett. B **621**, 41(2005).
- 41) Measurement of the Time-Dependent CP-Violating Asymmetry in $B^0 \rightarrow K_S^+ \pi^0 \gamma$ Decays,
Phys. Rev. Lett. **94**, 231601(2005).
- 42) Measurement for $B^0 \rightarrow p \bar{p}$, $B^0 \rightarrow \Lambda \bar{\Lambda}$, and $B^+ \rightarrow p \Lambda$ at Belle,
Phys. Rev. D **71**, 072007(2005).
- 43) Time-dependent CP violation effects in partially reconstructed $B^0 \rightarrow D^{*+} \pi^+$ decays,
Phys. Lett. B **624**, 11(2005).
- 44) Measurement of Time-Dependent CP-Violating Asymmetries in $B^0 \rightarrow K_S^0 K_S^0 K_S^0$ Decay,
Phys. Rev. Lett. **95**, 061801(2005).
- 45) Search for $B^0 \rightarrow J/\psi D^0$ and $B^+ \rightarrow J/\psi D^0 \pi^+$ decays,
Phys. Rev. D **71**, 091107(2005).

- 46) Search for lepton flavor violating decays $\tau \rightarrow l \pi^0, l \eta, l \eta'$,
Phys. Lett. B **622**, 218(2005).
- 47) Observation of $B^+ \rightarrow p \bar{\Lambda} \gamma$,
Phys. Rev. Lett. **95**, 061802(2005).
- 48) Study of the baryon-antibaryon low-mass enhancements in charmless three-body baryonic B decays,
Phys. Lett. B **617**, 141(2005).
- 49) Time-dependent CP-violating asymmetries in $b \rightarrow s q \bar{q}$ transitions,
Phys. Rev. D **72**, 012004(2005).
- 50) Studies of CP Violation in $B \rightarrow J/\psi K^*$ Decays,
Phys. Rev. Lett. **95**, 091601(2005).
- 51) Measurement of $|V_{ub}|$ near the endpoint of the electron momentum spectrum from semileptonic B-meson decays,
Phys. Lett. B **621**, 28(2005).
- 52) Improved Evidence for Direct CP Violation in $B^0 \rightarrow \pi^+ \pi^-$ Decays and Model-Independent Constraints on Φ_2 ,
Phys. Rev. Lett. **95**, 101801(2005).
- 53) Measurements of the Branching Fraction and Polarization in $B^+ \rightarrow \rho^+ K^{*0}$ Decays,
Phys. Rev. Lett. **95**, 141801(2005).
- 54) Search for the $b \rightarrow d \gamma$ process,
Phys. Rev. D **72**, 011101(R)(2005).
- 55) Observation of $B^- \rightarrow J/\psi \Lambda \bar{p}$ and searches for $B^- \rightarrow J/\psi \Sigma^0 p$ and $B^0 \rightarrow J/\psi p \bar{p}$ decays,
Phys. Rev. D **72**, 051105(R)(2005).
- 56) Measurement of the branching fractions for and $B^- \rightarrow D^{(*)+} \pi^- l \bar{\nu}_l$ and $B^0 \rightarrow D^{(*)0+} \pi^+ l \bar{\nu}_l$,
Phys. Rev. D **72**, 051109(R)(2005).
- 57) Measurement of wrong sign decays $D^0 \rightarrow K^+ \pi^- (\pi^0, \pi^+ \pi^-)$ and search for CP violation,
Phys. Rev. Lett. **95**, 231801(2005).
- 58) Measurement of B decays to two kaons,
Phys. Rev. Lett. **95**, 231801(2005).
- 59) Search for D^0 - \bar{D}^0 mixing using semileptonic decays at Belle,
Phys. Rev. D **72**, 071101(2005).
- 60) Charm quark fragmentation to D mesons and Λ_c^+ 's,
Phys. Rev. D **73**, 032002(2006).
- 61) Search for lepton and baryon number violating τ decays into $\bar{\Lambda} \pi^-$ and $\Lambda \pi^-$,
Phys. Lett. B **632**, 51(2006).
- 62) Search for the $\Theta^+(1540)$ pentaquark using kaon secondary interactions at Belle,
Phys. Lett. B **632**, 173(2006).
- 63) Measurement of Branching fractions for $B \rightarrow \chi_{c1(2)} K(K^*)$ at Belle,
Phys. Lett. B **634**, 155(2006).
- 64) Study of the $B^{+-} \rightarrow D_{CP} K^{+-}$ and $D_{CP}^* K^{+-}$ decays,
Phys. Rev. D **73**, 051106(2006).
- 65) Search for the decay $B^0 \rightarrow \gamma \gamma$,
Phys. Rev. D **73**, 051107(2006).
- 66) Observation of $b \rightarrow d \gamma$ and determination of $|V_{td}/V_{ts}|$,
Phys. Rev. Lett. **96**, 221601(2006).
- 67) Measurement of azimuthal asymmetries in inclusive production of hadron pairs in

- e+e- annihilation at Belle,
Phys. Rev. Lett. **96**, 232002(2006).
- 68) Measurement of forward-backward asymmetry and Wilson co-efficient in $B^+ \rightarrow K^+ l^+ l^-$,
Phys. Rev. Lett. **96**, 251801(2006).
- 69) Evidence for large direct CP violation in $B^\pm \rightarrow \rho(770)^0 K^\pm$ from analysis of three-body charmless $B^\pm \rightarrow K^\pm \pi^\pm \pi^\pm$ decays
Phys. Rev. Lett. **96**, 251801(2006).
- 70) Search for lepton flavor violating tau τ^- decays with a K_S^0 meson,
Phys. Lett. B **639**, 159(2006).
- 71) Measurement of CP violation in $B^0 \rightarrow D^{*-} \pi^+$ and $B^0 \rightarrow D^- \pi^+$ decays,
Phys. Rev. D. **73**, 092003(2006).
- 72) Search for neutrinoless decays $\tau \rightarrow l h h$ and $\tau \rightarrow l V^0$,
Phys. Lett. B. **640**, 138(2006).
- 73) Observation of $B^+ \rightarrow \Lambda_c^+ \Lambda^- K^+$ and $B^0 \rightarrow \Lambda_c^+ \Lambda^- K^0$ decays,
Phys. Rev. Lett. **97**, 202003(2006).
- 74) Evidence of $B \rightarrow \eta' \pi$ and $B \rightarrow \eta' K$,
Phys. Rev. Lett. **97**, 061802(2006).
- 75) Measurement of Φ_3 with Dalitz plot analysis of $B^\pm \rightarrow D^{(*)} K^{(*)\pm}$ decay,
Phys. Rev. D **73**, 112009(2006).
- 76) Search for h_c meson in $B^\pm \rightarrow h_c K^\pm$,
Phys. Rev. D. **74**, e012007(2006).
- 77) Measurement of $D^0 \rightarrow \pi l \nu(K l \nu)$ form factors and absolute branching fractions,
Phys. Rev. Lett. **97**, 061804(2006).
- 78) Study of Decay mechanism in $B^- \rightarrow \Lambda_c^+ p \pi^-$ decays and observation of low-mass structure in the $\Lambda_c^+ p$ system
Phys. Rev. Lett. **97**, 242001 (2006).
- 79) Study of J/ψ to pp , $\Lambda\Lambda$ and observation of $\eta_c \rightarrow \Lambda\Lambda$ at Belle,
Phys. Rev. Lett. **97**, 162003(2006).
- 80) Observation of $B^\pm \rightarrow \chi_{c1} \pi^\pm$ and search for direct CP violation,
Phys. Rev. D(RC) **74**, 051103(2006) .
- 81) Observation of new states decaying into $\Lambda_c^+ K^- \pi^+$ and $\Lambda_c^+ K^0 \pi^-$,
Phys. Rev. Lett. **97**, 162001(2006).
- 82) Improved Measurements of branching fractions and CP partial rate asymmetries for $B \rightarrow \omega h$,
Phys. Rev. D **74**, 111101(2006).
- 83) First observation of $\tau \rightarrow \Phi K \nu$ decay. Submitted to Phys,
Phys. Lett. B **643**, 5(2006).
- 84) Time-dependent CP asymmetries in $B^0 \rightarrow K_S^0 \pi^0 \gamma$ transitions,
Phys. Rev. D **74**, 111104(2006).
- 85) Observation of $B^+ \rightarrow \Xi_c^0 \Lambda_c^+$ and evidence for $B^0 \rightarrow \Xi_c^- \Lambda_c^+$,
Phys. Rev. D **74**, 111105(2006).
- 86) Search for B decays into $\eta' \rho$, $\eta' K^*$, $\eta' \pi$, $\eta' \omega$ and $\eta' \eta'()$ at Belle,
Phys. Rev. D **75**, 092002(2007).
- 87) Measurement of charmless B decays to ηK^* and $\eta \rho$,
Phys. Rev. D **75**, 092005(2007).
- 88) Measurement of the near-threshold $e^+e^- \rightarrow D^{(*)} \bar{D}^{(*)}$ cross section using initial

- state radiation,
 Phys. Rev. Lett. 98, 092001.
- 89)** High statistics study of the $f^0(980)$ resonance in $\gamma\gamma \rightarrow \pi^+\pi^-$ production,
 Phys. Rev. D 75, 051101@ (2007).
- 90)** Observation of the decay $B^0 \rightarrow J/\psi\eta$,
 Phys. Rev. Lett. 98, 131803(2007).
- 91)** Observation of B decays to two kaons,
 Phys. Rev. Lett. 98, 181804(2007).
- 92)** A search for the rare leptonic decays $B^+ \rightarrow \mu^+\nu$ and $B^+ \rightarrow e^+\nu$,
 Phys. Lett. B 647, 67(2007).
- 93)** Moments of the hadronic invariant mass spectrum $B \rightarrow X_c l \nu$ decays at Belle,
 Phys. Rev. D 75, 032005(2007).
- 94)** Search for invisible decay of $Y(1S)$,
 Phys. Rev. Lett. 98, 132001(2007).
- 95)** Observation of the decay $Y(4S) \rightarrow Y(1S)\pi^+\pi^-$,
 Phys. Rev. D 75, 071103@ (2007).
- 96)** Measurement of inclusive D_s , D^0 and J/ψ rates and determination of the $B_{s(*)}$ production fraction in B -bar events at the $Y(5S)$ resonance.
 Phys. Rev. Lett. 98, 052001(2007).
- 97)** Moments of the electron energy spectrum and partial branching fraction of $B^0 \rightarrow \chi_{c0} e \nu$ decays at Belle.
 Phys. Rev. D 75, 032001(2007).
- 98)** Study of the charmed baryonic decays $B^0 \rightarrow \sigma_c^{++} p \pi^-$ and $B^0 \rightarrow \sigma_c^0 p \pi^+$,
 Phys. Rev. D 75, 011101@ (2007).
- 99)** Improved measurements of color-suppressed decays $B^0 \rightarrow D^0 \pi^0$, $D^0 \eta$, $D^0 \omega$, $D^{*0} \pi^0$, $D^{*0} \eta$, $D^{*0} \omega$,
 Phys. Rev. D 74, 092002(2006).
- 100)** Measurement of CP asymmetry in a time dependent Dalitz analysis of $B \rightarrow (\rho\pi)^0$ and a constraint on the CKM angle Φ_2 ,
 Phys. Rev. Lett. 98, 221602(2007).
- 101)** Observation of direct CP violation in $B^0 \rightarrow \pi^+\pi^-$ decays and model dependent constraint on Φ_2 ,
 Phys. Rev. Lett. 98, 211801(2007).
- 102)** Observation of new charmonium state in double charmonium production in $e+e-$ annihilation at $\sqrt{s} \approx 10.6$ GeV,
 Phys. Rev. Lett. 98, 0820001(2007).
- 103)** Observation of time dependent CP violation in $B^0 \rightarrow \eta' K^0$ decays and improved measurements of CP asymmetries in $B^0 \rightarrow \Phi K^0$, $B^0 \rightarrow K_S K_S K_S$ and $B^0 \rightarrow J/\psi K^0$ Decays,
 Phys. Rev. Lett. 98, 031802(2007).
- 104)** Experimental constraints on the possible spin-parity values of the $\Lambda_c(2880)^+$,
 Phys. Rev. Lett. 98, 262001 (2007)
- 105)** Measurement of the mass of τ lepton and an upper limit on the mass difference τ^+ and τ^- ,
 Phys. Rev. Lett. 99, 011801 (2007)
- 106)** Measurement of branching fractions and q^2 distributions for $B \rightarrow \pi l \nu$ and $\rho l \nu$

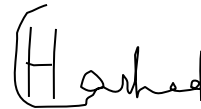
- decays with $D(^*)lv$ decay tagging,
Phys. Lett. B. 648, 139 (2007)
- 107)** Measurement of EPR-type flavour entanglement in $Y(4S) \rightarrow B^0 \bar{B}^0$ decays,
Phys. Rev. Lett. 99, 131802 (2007)
- 108)** Observation of $B^0 \rightarrow Ds^+ \Lambda p$,
Phys. Rev. D(RC) 76, 051102 (2007)
- 109)** *Simulation Study of Bending Losses in a Single Mode Step Index Optical Fibe*
Jahangirnagar University Physics Studies, Volume 20, pp.1-8, 2014.
- 110)** Determination of Elution Profile of a Radionuclide Generator System $^{99}\text{Mo}/^{99\text{m}}\text{Tc}$
Accepted for Publication in IJBSSR.
- 111)** Exotic Behavior of the $Y(5S)$ Resonance Decay Products in $e+e$ -Collider
Submitted to the International Conference On “Frontiers in Theoretical and Applied
Physics” which will be held at the American University of Sharjah from Feb.22-
Feb.25 , 2017.

■ **Language known (read, write and speak):**

Bangla, English, Japanese and a little bit Arabic & Malay.

■ **Countries visited**

Malaysia, Japan, India, Korea, Singapore, Thailand, China, Italy & Saudi Arabia.



(Signature)