

# Curriculum Vitae

| 1                           | NAME                                 | Dr. Nepal Chandra Dey  |  |                               |                         |                               |                               |       |                           |            |                           |      |                       |                 |             |  |      |                             |                             |   |   |      |  |  |  |
|-----------------------------|--------------------------------------|--|--|-------------------------------|-------------------------|-------------------------------|-------------------------------|-------|---------------------------|------------|---------------------------|------|-----------------------|-----------------|-------------|--|------|-----------------------------|-----------------------------|---|---|------|--|--|--|
|                             | OFFICE ADDRESS                       | Research Fellow, Environmental Research Unit, Research and Evaluation division, BRAC, BRAC Centre, 75 Maokhali, Dhaka 1212, Bangladesh   |  |                               |                         |                               |                               |       |                           |            |                           |      |                       |                 |             |  |      |                             |                             |   |   |      |  |  |  |
| 2                           | HOME ADDRESS                         | House-F4, Elite Mojid Tower, 122 West Kafrul, Taltola, Dhaka-1207  |  |                               |                         |                               |                               |       |                           |            |                           |      |                       |                 |             |  |      |                             |                             |   |   |      |  |  |  |
| 3                           | PERMANENT ADDRESS                    | Village-Chapila, Post Office-Farackabad, Upazila & District-Chandpur, Bangladesh   |  |                               |                         |                               |                               |       |                           |            |                           |      |                       |                 |             |  |      |                             |                             |   |   |      |  |  |  |
| 4                           | DATE OF BIRTH                        | 4 February 1970  |  |                               |                         |                               |                               |       |                           |            |                           |      |                       |                 |             |  |      |                             |                             |   |   |      |  |  |  |
| 5                           | NATIONALITY                          | Bangladeshi  |  |                               |                         |                               |                               |       |                           |            |                           |      |                       |                 |             |  |      |                             |                             |   |   |      |  |  |  |
| 6                           | MEMBERSHIP IN PROFESSIONAL SOCIETIES | <p><i>Member</i></p> <ul style="list-style-type: none"> <li>(i) Institution of Engineers, Bangladesh (IEB, M-15449)</li> <li>(ii) Bangladesh Krishibid Institution (KIB- M/05-92-9366)</li> <li>(iii) Environmental &amp; Water Resources Institute, USA (EWRI, M-7898781)</li> <li>(iv) Bangladesh Society of Agricultural Engineers (BSAE, M-236)</li> <li>(v) Bangladesh Association for the Advancement of Science (BAAS-VII, M-587)</li> <li>(vi) Japanese Society of Irrigation, Drainage &amp; Reclamation Eng. (JSIDRE, M 20040395)</li> <li>(vii) Japanese Society of Sand Dune Research (147; 2006.05.01)</li> </ul> <p><i>Life Member</i></p> <ul style="list-style-type: none"> <li>(viii) Japanese Universities Alumni Association in Bangladesh (JUAAB, LM-93)</li> </ul>  |  |                               |                         |                               |                               |       |                           |            |                           |      |                       |                 |             |  |      |                             |                             |   |   |      |  |  |  |
| 7                           | EDUCATION                            | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><u>Degree</u></th> <th style="text-align: center;"><u>Areas</u></th> <th style="text-align: center;"><u>Class/<br/>Award</u></th> <th style="text-align: center;"><u>University<br/>/School</u></th> <th style="text-align: center;"><u>Year of<br/>Graduation</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Ph.D.</td> <td style="text-align: center;">Bioenvironment<br/>Science</td> <td style="text-align: center;">Gold medal</td> <td style="text-align: center;">Tottori University, Japan</td> <td style="text-align: center;">2006</td> </tr> <tr> <td style="text-align: center;">M. Sc.<br/>Engineering</td> <td style="text-align: center;">Water Resources</td> <td style="text-align: center;">First Class</td> <td style="text-align: center;">Bangladesh University<br/>of Engineering &amp;<br/>Technology (BUET)</td> <td style="text-align: center;">2000</td> </tr> <tr> <td style="text-align: center;">B.Sc. in Ag.<br/>Engineering</td> <td style="text-align: center;">Agricultural<br/>Engineering</td> <td style="text-align: center;">First Class<br/>4<sup>th</sup> Position</td> <td style="text-align: center;">Bangladesh Agricultural<br/>University (BAU)</td> <td style="text-align: center;">1996</td> </tr> </tbody> </table>   | <u>Degree</u>  | <u>Areas</u>                  | <u>Class/<br/>Award</u> | <u>University<br/>/School</u> | <u>Year of<br/>Graduation</u> | Ph.D. | Bioenvironment<br>Science | Gold medal | Tottori University, Japan | 2006 | M. Sc.<br>Engineering | Water Resources | First Class | Bangladesh University<br>of Engineering &<br>Technology (BUET) | 2000 | B.Sc. in Ag.<br>Engineering | Agricultural<br>Engineering | First Class<br>4 <sup>th</sup> Position | Bangladesh Agricultural<br>University (BAU) | 1996 |  |  |  |
| <u>Degree</u>               | <u>Areas</u>                         | <u>Class/<br/>Award</u>  | <u>University<br/>/School</u>                                  | <u>Year of<br/>Graduation</u> |                         |                               |                               |       |                           |            |                           |      |                       |                 |             |  |      |                             |                             |   |   |      |  |  |  |
| Ph.D.                       | Bioenvironment<br>Science            | Gold medal   | Tottori University, Japan                                      | 2006                          |                         |                               |                               |       |                           |            |                           |      |                       |                 |             |  |      |                             |                             |   |   |      |  |  |  |
| M. Sc.<br>Engineering       | Water Resources                      | First Class  | Bangladesh University<br>of Engineering &<br>Technology (BUET) | 2000                          |                         |                               |                               |       |                           |            |                           |      |                       |                 |             |  |      |                             |                             |   |   |      |  |  |  |
| B.Sc. in Ag.<br>Engineering | Agricultural<br>Engineering          | First Class<br>4 <sup>th</sup> Position  | Bangladesh Agricultural<br>University (BAU)                    | 1996                          |                         |                               |                               |       |                           |            |                           |      |                       |                 |             |  |      |                             |                             |   |   |      |  |  |  |
| 8                           | OTHER TRAINING                       | <ul style="list-style-type: none"> <li>▪ Sharing knowledge, experience and perspective on “<i>Energy Costing in Innovative Award Learning Event on MDG Costing Tools in Asia</i>”, organized by UNDP Regional Centre Bangkok held during 11-13 August 2008.</li> <li>▪ Hands on training on <i>MDGs Costing Tools</i>, organized by UNDP Regional Centre Colombo and UNDP Bangladesh held during 19-25 April 2008.</li> <li>▪ Application of <i>GIS and RS in Environment Assessment</i>, organized by Tottori University in Japan, held at Yamaguchi University during 20 -30 March 2004.</li> <li>▪ Training on <i>Indirect estimation of soil surface condition using Field Spectrometer</i> organized by Tottori University in Japan, held at Yamaguchi University during 15 -17 Sept 2004.</li> <li>▪ Training on “<i>Improvement of Skill and Work Environment of Landless Wage Earners in Rice Processing Systems in Bangladesh</i>” Research and Extension in Farm Power Issues (REFPI), Dept. of Farm Power &amp; Machinery and DFID during 28-29 September 2002.</li> <li>▪ Training on “<i>Pre and Post Harvest Equipment Uses and Processing Devices</i>” held at Bangladesh Agricultural Research Institute (BARI), Gazipur during 29-30 May, 2000.</li> <li>▪ Training on “<i>Statistical Package for Social Science (SPSS)</i>” held at Advanced Center for Courses in Eng. &amp; Social Sciences (ACCESS), BETS, Dhaka during 18 August to 8 December 1999.</li> <li>▪ Training on “<i>Application of GIS in Agricultural Planning</i>” held at Bangladesh Agricultural Research Council (BARC), Dhaka since 12 April to 10 June 1999.</li> <li>▪ Training on “<i>National Minor Irrigation census (NMIC)</i>” held at Bangladesh Society of Engineering Technology, BETS, Dhaka during 12–19 February 1999.</li> <li>▪ Training on “<i>Application of GIS in Agriculture</i>” held at Bangladesh Agricultural Research Council (BARC), Farmgate, Dhaka during 10-18 January, 1999.</li> <li>▪ Training on “<i>Bio-gas Technology</i>” held during at Bangladesh Council of Science and Industrial Research (BCSIR), Dhaka during 6-15 December 1998.</li> </ul> |  |                               |                         |                               |                               |       |                           |            |                           |      |                       |                 |             |  |      |                             |                             |   |   |      |  |  |  |

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|    |                                   | <ul style="list-style-type: none"> <li>Training on “<i>Thana Soil Indication Guide</i>” held at Soil Resource Development Institute (SRDI), Dhaka during 20-25 June 1998.</li> </ul>  |   |  |                  |
| 9  | LANGUAGES & DEGREE OF PROFICIENCY | Language  | Speaking  | Reading  | Writing          |
|    |                                   | <i>English</i>  | <i>Fluent</i>   | <i>Excellent</i>                                   | <i>Excellent</i> |
|    |                                   | <i>Japanese</i>   | Fairly speak  | <i>Little</i>                                      | <i>Little</i>    |
| 10 | COUNTRIES OF WORK EXPERIENCE      | <b>Bangladesh and Japan</b>   |   |  |                  |
| 11 | EMPLOYMENT RECORD                 | Employer  | Position  | Year   |                  |
|    |                                   | BRAC  | Research Fellow<br>Environmental Research Unit<br>Research and Evaluation<br>Division                                   | September 1, 2009<br>to present                    |                  |
|    |                                   | CASEED  | Research Fellow<br>& Principal Investigator<br>(Environmental Degradation<br>Study- supported by<br>FAO/EC/USAID & GOB) | Nov 2008 to August 2009<br>& Oct 2006 to June 2007 |                  |
|    |                                   | UNDP, Bangladesh  | Environment & Sustainable<br>Development Specialist<br>(for MDG7 Needs Assessment &<br>Costing)                         | April 2008 to March 2009                           |                  |
|    |                                   | The Embassy of Japan<br>Bangladesh  | Education Advisor<br>Japanese Universities Alumni<br>Association  | Nov 2007 to March 2008                             |                  |
|    |                                   | Tottori University, Japan   | Teaching Assistant  | April 2004 to Aug 2006                             |                  |
|    |                                   | DAE, Ministry of<br>Agriculture, Bangladesh   | Agricultural Engineer/ Project<br>Director (GW Quality<br>Assessment Project supported by<br>MOSICT)                    | March 1997 to Sept 2003                            |                  |
|    |                                   | Department of Water<br>Resources Engineering,<br>BUET Dhaka   | Teaching Assistant  | Sept 1996 to February 1997                         |                  |
| 12 | SCHOLARSHIPS AND AWARDS           | <p>I have some achievements during my academic and professional work explained below:</p> <p><b><u>Professional Achievement</u></b><br/> <b><i>UNDP Awarded First Prize</i></b><br/> UNDP awarded the first prize on MDG-Energy Costing in the Innovative Award Learning Event on MDG Costing Tools in Asia, organized jointly by UNDP Regional Centre of Bangkok and Bangladesh, held in Dhaka during 11-13 August 2008.</p> <p><b><u>Academic Achievements</u></b><br/> <b><i>Scholarship Awarded</i></b><br/> i). Japanese Govt. awarded MONBUKAGAKUSHO scholarship for my doctoral study from October 2003 to Sept. 2006.<br/> ii). BUET-DUT (Dutch University &amp; Technology, Netherlands) University Linkage Project awarded me NUFFIC Scholarship in order of merit for pursuing master's degree in the Dept. of Water Resources Engineering, BUET from November 1998 to April 2000.<br/> iii). Upperclassman scholarships from Bangladesh Agricultural University from December 1990 to November 1995</p> <p><b><i>Academic recognition</i></b><br/> i) I was placed at the top of my class when entering 3rd year B. Sc. Ag. Eng. Course from 2nd year (1992). Finally, in order of merit, I was ranked 4th position with First Class.<br/> ii) Tottori University awarded me Gold Medal in recognition of the merits in the doctoral program.</p> |   |  |                  |

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| 13 | LIST OF PUBLICATIONS | <p><b><u>List of Publications</u></b></p> <p><i>Peer reviewed Journals:</i></p> <ol style="list-style-type: none"> <li>1. <b>Dey, N.C.</b>, Sujit K. Bala and Seiji Hayakawa, 2006: Assessing the Economic Benefits of Improved Irrigation Management: A case study of Bangladesh. <i>Water Policy Journal</i>, Published by the International Water Association (IWA), UK, 8(6), 573-584.</li> <li>2. <b>Dey, N.C.</b> and Seiji Hayakawa, 2005: The Characteristics of Vegetation Indices Using Landsat Data of Land Cover Species. <i>J. of Agricultural Meteorology</i>, Published by the Japanese Society of Agricultural Meteorology, 60(5), 557-560.</li> <li>3. <b>Dey, N.C.</b> and M.S.U. Talukder, 2002: The Change of Soil Physico-Chemical Properties Due to Different Tillage Practices. <i>Bangladesh J. of Water Resource Research</i>, published by Water Resources Engineering Dept. of BUET, Dhaka, 19, 101-106.</li> <li>4. <b>Dey, N.C.</b>, M A. Bhuiyan and M. Mirjahan, 2002: Field Verification of Unsaturated Hydraulic Conductivity Models Based on Soil Moisture Retention Data. <i>Bangladesh J. of Water Resource Research</i>, published by Water Resources Engineering Dept. of BUET, Dhaka 19, 57-67.</li> <li>5. <b>Dey, N.C.</b> and, MSU Talukder 2002: Performance Study of Different Tillage Implements and Their Impact on Yield Characteristics of Wheat. <i>Bangladesh J. of Scientific Research</i>, 19(2), 40-45.</li> </ol> <p><i>Technical Reports</i></p> <ol style="list-style-type: none"> <li>6. MDG7 Needs Assessment &amp; Costing 2009-2015 Bangladesh prepared by Nepal C Dey as Consultant and compiled in the Millennium Development Goals Needs Assessment &amp; Coating 2009-2015 Bangladesh published by General Economic Division, Planning Commission, GOB &amp; UNDP-Bangladesh, pp: 175-251, July 2009. (<a href="http://www.undp.org.bd">www.undp.org.bd</a>)</li> <li>7. Situation Analysis of the MDG7 Bangladesh prepared by Nepal C Dey, support to PRS &amp; MDGs Project in Bangladesh, UNDP in Bangladesh, (Final report approved by the TWG/MOEF/GOB followed by National Consultation workshop organized by GED, Planning Commission, GOB, Dhaka, pp: 1-72, December 2008.</li> <li>8. Study of the Degradation of Natural Resources due to Intensive Cropping, support to National Food Policy Capacity Strengthening Programme of FAO/EC/USAID and GOB (Research report approved by the TAT members of FAO), pp: 1-60, December 2008.</li> <li>9. Groundwater Quality Assessment Due to Use of Pesticides in the Agricultural Field Project prepared by Nepal C. Dey as PI Supported by the Ministry of Science and Information &amp; Communication Technology, Bangladesh, Research Report, pp. 1-55, FY 2002/2003, September 2003.</li> </ol> <p><i>Proceedings:</i></p> <ol style="list-style-type: none"> <li>10. <b>Dey, N.C.</b>, 2009: Study of the impact of intensive cropping on the long term degradation of natural resources in some selected AEZ of Bangladesh, proc. of the workshop on informed policy making for food security: summery of the research findings, vol. 1, pp.10-18.</li> <li>11. <b>Dey, N.C.</b>, Bhuiyan, MA, Islam, MA., Khan, NA. and Karim, Z., 2009: Environmental Assessment of Drought in the Northwest Region of Bangladesh (abstract published), proc. of the Special Conference on <i>Climate Change and Bangladesh Strategy: Domestic Tasks and International Cooperation</i>, vol. 1, pp:9.</li> <li>12. <b>Dey, N.C.</b>, Lucky Ghose, M A Bhuiyan 2007: Pesticide occurrence in shallow depths of groundwater in central Bangladesh, proc. of the <b>Int'l. Conf.</b> on Water and Flood Management (ICWFM 2007), BUET, Dhaka, Bangladesh, pp: 355-340.</li> <li>13. <b>Dey, N.C.</b> and Hayakawa, S. 2005: Evaluation and Assessment of Local Environmental Conditions Using Remote Sensing Data, proc. of the Research Seminar for Doctoral Thesis of the United Graduate Students of Tottori University, Mt. Daisen-Training Center in Tottori Prefecture, Tottori, Japan, pp. 31.</li> <li>14. <b>Dey, N.C.</b>, Perveen, M.F., Hayakawa, S., Kimura, R. and Kamichika, M., 2005: Relationship between Soil Surface Conditions and Spectral Reflectance, proc. of the Joint Research Symposium of the Arid Land Research Center, ALRC, Tottori, Japan, pp. 33-34.</li> <li>15. <b>Dey, N.C.</b>, Bidyuth K. Mahalder, Seiji Hayakawa and Mst F. Perveen, 2004: Development of Arsenic Database using GIS, proc. of the 6<sup>th</sup> <b>Int'l. Symposium</b> on Plant Responses to Air Pollution and Global Changes, APGC2004, Oct. 19-22, Tsukuba Center for Institutes, Japan, pp: 69.</li> <li>16. <b>Dey, N.C.</b> and Seiji Hayakawa, 2004: The Characteristics of Vegetation Indices using Landsat data of land Cover Species (abstract published), proc. of the <b>Int'l. Symposium</b> on Food Production and Environmental Conservation in the Face of Global Environmental Deterioration, FPEC2004, Sept. 7-11, Fukuoka Int'l Congress Center, Japan, pp: 49</li> <li>17. Sajjan, A.K., M A. Bhuiyan, and <b>Nepal C. Dey</b>, 2002: Impact of 1994-95 Drought in the</li> </ol> |
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|    |                     | <p>Northwest Bangladesh through Questionnaire Survey. Proc. of the 2<sup>nd</sup> Annual Paper Meet of Institution of Engineers, Bangladesh, pp:19-26</p> <p>18. <b>Dey, N.C.</b>, M A. Bhuiyan and M. Mirjahan, 2001: The Estimation of Unsaturated Hydraulic Conductivity using Empirical Models, The <b>4<sup>th</sup> Int. Conf.</b> of Mechanical Engineering, ICME, Dhaka, Vol. II, 1:65-67</p> <p>19. <b>Dey, N.C.</b>, Sujit K. Bala, 2001: Selection of the Best Model for the Estimation of Unsaturated Hydraulic Conductivity. The <b>2<sup>nd</sup> Int'l. Conf.</b> and Annual Paper Meet, AE division, The Institution of Engineers, Bangladesh, Mymensingh, pp:56-60.</p> <p>20. <b>Dey, N.C.</b>, 2000. Evaluation of Unsaturated Hydraulic Conductivity of Soil Based on Soil Moisture Retention Data, Master's Thesis, Department of Water Resources Engineering, BUET, pp: 1-78.</p> <p>21. <b>Dey N.C.</b>, 1996. Performance Study of Different Tillage Implements and Their Impact on Soil Fertility and Yield of Wheat. Undergraduate project work, Department of Irrigation and water management of Bangladesh</p> <p><b>Popular publications in the Newspapers</b></p> <p>22. Intensive cropping affects nature, food security: study. New Age, the daily newspaper, page: 6, February 23, 2009.</p> <p>23. Intensive cropping affects nature, hampers food security. The Bangladesh Observer, the daily newspaper, page: 4, February 23, 2009.</p> <p><b>Referred Book's chapter</b></p> <p>24. <b>Dey, N.C.</b>, Seiji Hayakawa and Kingshuk Roy, 2004: Planning Assessment of Economic Benefit in Case of Proper Practices of Irrigation Water Management Followed in Bangladesh; Regional Cooperation on the Transboundary Rivers: Impact of the Indian River Linking Project, edited by M. Feroze Ahmed, Prof. of BUET, M. Kholiquzzaman Ahmed, President of BEA and M Khalequzzaman, Prof. of Lock Haven Uni., USA, pp:408-421</p> <p>25. Roy, K., <b>Nepal C. Dey</b> and MIM Zulfiker, 2008: About Bangladesh and Country's Arsenic Problem: At a Glance; Arsenic Calamity of Groundwater in Bangladesh: Contamination in Water, Soil and Plants edited by K. Roy, Prof. of Nihon University, Japan, Vol 1, pp. 1-11.</p>   |
| 14 | PRESENTATION (ORAL) | <p>1. Impact of intensive cropping on the degradation of natural resources in some selected AEZ Regions of Bangladesh, presented in the workshop of informed policy making for food security: summery of the research findings, organized by FPMU, Ministry of Food &amp; Disaster Management and FAO/ EC/USAID, held during 18-19 February 2009 at BIAM Auditorium, New Eskaton, Dhaka, <b>Bangladesh.</b></p> <p>2. "Environmental Assessment of Drought in the Northwest Region of Bangladesh", presented in the Special Conference on <i>Climate Change and Bangladesh Strategy: Domestic Tasks and International Cooperation</i>, organized by BAPA &amp; BEN, held in January 2, 2009 at ICMAB, Nilkhet, Dhaka, <b>Bangladesh.</b></p> <p>3. "Degradation of natural resources in some selected AEZ of Bangladesh due to intensive cropping", presented in the workshop on Research in support of the national food policy: Review of preliminary findings, 7-8 July 2008, organized by FAO/EC/ USAID, held at BIAM Auditorium, New Eskaton, Dhaka, <b>Bangladesh.</b></p> <p>4. "Study of the impact of intensive cropping on the degradation of natural resources in some selected AEZ of Bangladesh", presented in the workshop on NFPCSP-Informed Policy Making for Food Security: research in support of the NFPCSP, 5-6 December 2007 organized by FAO-GOB/EC/USAID, held at Con. Room of LGED, Dhaka, <b>Bangladesh.</b></p> <p>5. "Pesticide Occurrence in Shallow Depths of Groundwater in Central Bangladesh" presented at the <b>Int'l. Conf.</b> on Water and Flood Management (<b>ICWFM 2007</b>), held at Bangladesh-China Friendship Conference Centre, Dhaka during 12-14 March, 2007, <b>Bangladesh</b></p> <p>6. "Shallow Groundwater Quality Assessment due to Pesticides Use in the Agricultural Field of Sibpur Upazila, Bangladesh" presented at the <b>Int'l. Conf.</b> on Monitoring, Prediction and Mitigation of Water-Related Disaster, <b>MPMD-2005</b>, 12-15 January 2005, Clock Tower Centennial Hall, Kyoto University, Kyoto, <b>Japan</b></p> <p>7. "Evaluation and Assessment of Local Environmental Conditions Using Remote Sensing, presented at the Research Seminar for Doctoral Thesis of the United Graduate Students of Tottori University, held at Mt. Daisen-Training Center in Tottori Prefecture, 19 October 2005, <b>Japan</b></p> <p>8. "Planning Assessment of Economic Benefit in case of Proper Practices of Irrigation Water Management Followed in Bangladesh" presented at the <b>Int'l. Conf.</b> on Regional Cooperation on the Transboundary Rivers (<b>ICRCTR 2004</b>): Impact of the Indian River Linking Project, 17-19 December 2004, Dhaka, <b>Bangladesh</b></p> |

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|    | PRESENTATION<br>(POSTER) | <p>9. "Development of Arsenic Database using GIS" presented at the <b>6<sup>th</sup> Int'l Symposium</b> on Plant Responses to Air Pollution and Global Changes, <b>APGC2004</b>, 19-22 October 2004, Tsukuba Center for Institutes, <b>Japan</b></p> <p>10. "The Characteristics of Vegetation Indices Using Landsat Data of Land Cover Species" presented at the <b>Int'l Symposium</b> on Food Production and Environmental Conservation in the Face of Global Environmental Deterioration, <b>FPEC2004</b>, 7-11 Sept. 2004, Fukuoka Int'l Congress Center, Fukuoka, <b>Japan</b></p> <p>11. "Impact of 1994-95 Drought in the Northwest Bangladesh through Questionnaire Survey" presented at the 2<sup>nd</sup> Annual Paper Meet of the Institution of Engineers, Bangladesh, 22 December 2002, Dhaka, <b>Bangladesh</b></p> <p>12. Observation of Work Environment and Financial Management of Land Wage Earners in Some Rice Processing Mills" presented at the workshop on improvement of skill and work environment of land wage earners engaged in rice processing systems of Bangladesh, Graduate Training Institute (GTI), Bangladesh Agricultural University, organized by Research and Extension in Farm Power Issues (REFPI), Dept. of Farm Power &amp; Machinery and DFID, 28-29 Sept. 2002, Mymensingh, <b>Bangladesh</b></p> <p>13. "The Estimation of Unsaturated Hydraulic Conductivity using Empirical Models" presented at the <b>4<sup>th</sup> Int'l. Conf.</b> of Mechanical Engineering, <b>ICME 2001</b> (fluid flow section), Organized by Bangladesh University of Engineering and Technology, 26-29 December 2001 Dhaka, <b>Bangladesh</b></p> <p>14. "Selection of the Best Model for the Estimation of Unsaturated Hydraulic Conductivity" resented at the <b>2nd Int'l. Conf.</b> and 1st Annual Paper Meet of the Institution of Engineers Bangladesh, Jointly organized by IEB and Federation of Engineers Institution of South Central Asia (FEISCA), 20 October 2001, IEB Center, Mymensingh, <b>Bangladesh</b></p> <p>15. "Evaluation of Unsaturated Hydraulic Conductivity of Soil based on Soil Moisture Retention Data" presented at the thesis defense held in the Dept. of Water Resources Engineering, BUET for my Master's degree on the 15 November 2000, Dhaka, <b>Bangladesh</b></p> <p>16. "Extrapolation of Tested Cropping Pattern in a Rainfed Situation using GIS"-a case study in High Barrind Tract", presented at the Training On Application of GIS in Agricultural Planning, Bangladesh Agricultural Research Council GIS lab, organized by BGD/95/006, GIS project, 10 June 1999, Dhaka, <b>Bangladesh</b></p> <p>17. "Performance Study of Different Tillage Implements and Their Impact on Soil Fertility and Yield of Wheat" presented at the thesis defense held in the Dept. of Irrigation and Water Management of Bangladesh Agricultural University for my Bachelor degree on the 10 May 1996, Mymensingh, <b>Bangladesh</b></p> <p>18. Relationship Between Soil Surface Conditions and Spectral Reflectance" presented at the Joint Research Symposium of the Arid Land Research Center, ALRC, Tottori, 6Dec 2005, Japan</p> |
| 15 | COMPUTER LITERACY        | <p><b>Professional Skill</b><br/> Software: ArcInfo, ArcView, ArcGIS, ER Mapper for image analysis, Photoshop;<br/> Database: MS Excel, MS Access, Micro-cal Origin, SQL Server, SPSS<br/> Operating Software: DOS, Windows/Windows Xp<br/> Programming: Visual Basic</p>  |
| 16 | REFERENCES               | <p>1. Dr. Kingshuk Roy, Professor, College of Bioresource Science, Nihon University, Japan<br/> E-mail:royk@brs.nihon-u.ac.jp</p> <p>2. Dr. AFM Saleh, Professor, Institute of Water &amp; Flood Management, BUET, Dhaka 1000<br/> E-mail:saleh@iwfm.buet.ac.bd</p> <p>3. Mr. Kalyan Raj Pandey, Project Manager, Support to Monitoring PRS and MDGs in Bangladesh, UNDP- Bangladesh, 6<sup>th</sup> Floor, IDB Bhaban, Shere Bangla Nagar, Dhaka 1207.<br/> E-mail: kalyan.pandey@undp.org</p>  |

### CERTIFICATION

I, the undersigned, certify to the best of my knowledge and belief that this biodata correctly describes myself, my qualifications, and my experience.

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|---|
| Signature:  |
| Date of Signing: Day / Month / Year<br>13 /10 /2009 |