




## Gangadhar Meher University, Sambalpur (Faculty Profile)

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|--|---|-------------------------|------------------------------------|--|
| <b>Name</b>  | Dr. Ajaya Kumar Tripathy  |                         |                                    | <b>Photograph</b><br> |
| <b>Designation</b>   | Assistant Professor   |                         |                                    |  |
| <b>School</b>  | School of Computer Science  |                         |                                    |  |
| <b>Address (Office)</b>  | School of Computer Science, GM University, Sambalpur, Odisha, India.                      |                         |                                    |  |
| <b>Address (Residence)</b>   | Gopalma, Sambalpur.   |                         |                                    |  |
| <b>Voice (Landline/Mobile)</b>   | 8895551301  |                         |                                    |  |
| <b>Email</b>   | aktripathy@gmuniversity.ac.in   |                         |                                    |  |
| <b>Alternate Email</b>   | ajayatripathy1@gmail.com  |                         |                                    |  |
| <b>ORCID ID</b>  | <a href="https://orcid.org/0000-0003-4145-9793">https://orcid.org/0000-0003-4145-9793</a> |                         |                                    |  |
| <b>Researcher ID</b>   | AAZ-2265-2020   |                         |                                    |  |
| <b>SCOPUS ID</b>   | 7006845194  |                         |                                    |  |
| <b>PubMed ID</b>   |   |                         |                                    |  |
| <b>Qualifications</b>  |   |                         |                                    |  |
| Degree   | Institution   | Year                    | Subject Details                    |  |
| BA/BSc/BCom  | Berhampur University, Odisha, India.  | 2002                    | Physics (Hon), Chemistry, and Math |  |
| MA/MSc/MCom  | Berhampur University, Odisha, India.  | 2004                    | Physics                            |  |
| MPhil  |   |                         |                                    |  |
| PhD  | Utkal University, Odisha, India.  | 2015                    | Computer Science                   |  |
| MTech  | Utkal University, Odisha, India.  | 2007                    | Computer Science                   |  |
| Prof. MTech  | Trento University, Trento, Italy  | 2008                    | E-Government (Computer Science)    |  |
| <b>Areas of Interest/ Specialization</b>   |   |                         |                                    |  |
| Formal language processing, Applied Machine Learning, and IoT  |   |                         |                                    |  |
| <b>Teaching/Research Experience</b>  |   |                         |                                    |  |
| Organization/Institution   | Designation   | Duration                | Role                               |  |
| Gangadhar Meher University   | Assistant Professor   | From Feb2020-Continuing | Teaching and research              |  |
| Silicon Institute of Technology, Bhubaneswar   | Assistant Professor   | Around 10 Years         | Teaching and research              |  |
| SOA Research Unit, FBK, Trento, Italy  | PhD Researcher  | 2 Years                 | Research                           |  |
| Create-Net Research Unit, Trento, Italy  | Research Intern   | 6 Months                | Research Assistant                 |  |
| Machine Intelligence Unit, Indian Statistical Institute, Kolkata, India.   | Research Intern   | 6 Months                | Research Assistant                 |  |
| <b>Awards and Honors (Top Five only)</b>   |   |                         |                                    |  |
| <ul style="list-style-type: none"><li>SILVER partner faculty, Infosys Campus Connect, Infosys, India.</li><li>Received Full scholarship for “Master in technology e-Government” from the Italian Ministry of Foreign Affairs and <b>Italian Ministry of University and Research</b> in 2007.</li></ul> |   |                         |                                    |  |

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| <ul style="list-style-type: none"> <li>Received Full scholarship for “PhD in Computer Science” from <b>Trento University Italy</b> in 2008.</li> </ul>   |
| <b>International Collaboration/Consultancy (Top Five only)</b>   |
| <b>Extra-mural Projects (Give Details)</b>   |
| Completed :<br>Projects in hand :<br>Projects submitted:   |
| <b>Ph. D. Guidance</b>   |
| Guided (    ),    Guiding (    )   |
| <b>Publications</b>  |
| Number of Publications:<br>Books/Monographs :    Total (    0    ),    Last Five Years (    0    ), Last Three Years (    0    ), Last One Year (    0    )<br>Book Chapters :    Total (    5    ),    Last Five Years (    1    ), Last Three Years (    0    ), Last One Year (    0    )<br>Research papers:    Total (    15    ),    Last Five Years (    6    ), Last Three Years (    6    ), Last One Year (    4    )<br>Reviews:    Total (    0    ),    Last Five Years (    0    ), Last Three Years (    0    ), Last One Year (    0    )  |
| <b>Best Peer/Review Publications (Up to 5)</b>   |
| <ol style="list-style-type: none"> <li>1. A. K. Tripathy, A. G. Mohapatra, S. P. Mohanty, E. Kougianos, A. M. Joshi, and G. Das. EasyBand: A Wearable for Safety-Aware Mobility During Pandemic Outbreak. In <i>Journal of IEEE Consumer Electronics Magazine</i>, Vol-9, Issue-5, pages 57-61, <b>IEEE</b>, 2020. <b>[SCIE Indexed, IF: 4.016]</b></li> <li>2. C. Pati, A. K. Panda, A. K. Tripathy*, S. K. Pradhan and S. Patnaik. A novel hybrid machine learning approach for change detection in remote sensing images. In <i>International Journal of Engineering Science and Technology</i>, <b>Elsevier</b>, 2020. <b>(Accepted-in press)</b> <b>[SCIE Indexed, IF: 3.219]</b></li> <li>3. A. K. Tripathy, P. K. Tripathy, A. G. Mohapatra, N. K. Ray, and S. Mohanty. WeDoShare: A Ridesharing Framework in Transportation Cyber-Physical System for Sustainable Mobility in Smart Cities. In <i>Journal of IEEE Consumer Electronics Magazine</i>, Vol-9, Issue-4, pages 41-48, <b>IEEE</b>, 2020. <b>[SCIE Indexed, IF: 4.016]</b></li> <li>4. A. Shrivastava, A. K. Tripathy*, P. K. Dalal. A SVM-Based Classification Approach for Obsessive Compulsive Disorder by Oxidative Stress Biomarkers. In <i>Journal of Computational Science</i>, Vol- 36, <b>Elsevier</b>, 2019. <b>[SCIE Indexed, IF: 2.644]</b></li> <li>5. A. K. Tripathy, P. K. Tripathy Fuzzy QoS Requirement-Aware Dynamic Service Discovery and Adaptation. In <i>Journal of Applied Soft Computing</i>, Vol- 68, Pages 136 – 146, <b>Elsevier</b> 2018. <b>[SCIE Indexed, IF: 5.472]</b></li> </ol> |
| <b>Paper Presentation in Major Conferences (Up to 5)</b>   |
| <ol style="list-style-type: none"> <li>1. A. K. Tripathy and M. R. Patra. An Event Based, Non-Intrusive Monitoring Framework for Web Service Based Systems. In <i>Proceedings of CISIM- 2010, Cracow, POLAND</i>, pages 201-206. <b>IEEE</b>, 2010.</li> <li>2. A. K. Tripathy and M. R. Patra. Modeling and Monitoring SLA for Service Based Systems. In <i>Proceedings of ISWSA-11, Jordan</i>, pages 60-65. <b>ACM</b> 2011.</li> <li>3. M R Patra, A. K. Tripathy and R. K. Das. Monitoring of Service Based e-Government Systems. In <i>Proceedings of ICEGOV-2011, ESTONIA</i>, Pages 353-354 <b>ACM</b> 2011.</li> </ol>  |

4. A. K. Tripathy, M. R. Patra, M. A. Khan H. Fatima and P. Swain. Dynamic Web Service Composition with QoS Clustering. In *21<sup>st</sup> IEEE ICWS-2014, Alaska, USA, Pages 678 – 679, IEEE, 2014.*
5. A. K. Tripathy, M. R. Patra and S. K. Pradhan. Dynamic QoS Requirement Aware Service Composition and Adaptation. In *Proceedings of ICSOC 2014, Paris, France, Pages 378-385, Springer 2015.*

#### Patents (if any)

Filed: ( 1 ), Accepted: ( )

#### Events (Seminar/Symposium/Webinar/Workshop/FDP/Conference etc.) organized in capacity of convener/co-convener

National: ( 2 ), International: ( )

#### Memberships of Professional Bodies/Societies (Up to 5)

1. IEEE Member since 2014
2. IEEE GRSS Society Member since 2016.
3. IEEE Consumer Electronics Society since 2020.

#### Other Details (Academic/Research Related)

Qualified in GATE (CS) 2006 (with AIR 3164)

#### Research Matrix [Current]

| Database | Total citations | Total publications | Open Access | h-index |
|----------|-----------------|--------------------|-------------|---------|
| WoS      | 30              | 7                  | 1           | 3       |
| Publons  | 30              | 7                  | 1           | 3       |
| Scopus   | 54              | 12                 | 1           | 4       |
| PURE     |                 |                    |             |         |
| GS       |                 |                    |             |         |
| RG       |                 |                    |             |         |
| ICI      |                 |                    |             |         |

Ajaya Kumar Tripathy

(Signature)