# **Curriculum Vitae**

#### **Personal Information:**

Name: Dr. SABINA EYASMIN

Official Designation: Assistant Professor, Department of Mathematics

| <b>Official Address</b> : | Department of Mathematics,                 |
|---------------------------|--|
|                           | ChandidasMahavidyalaya,                    |
|                           | P.O.: Khujuti Para, Birbhum, PIN – 731215, |
|                           | West Bengal, INDIA.                        |

Date of Birth: 11<sup>th</sup> August 1980 (11-08-1980)

## **Contact Details:**

Mobile: (+91) 8145223117 E-mail ID: sabinaeyasmin2010@gmail.com

### **Academic Information:**

| Program | Specialization        | Institution                |
|---------|-----------------------|----------------------------|
| M.Sc.   | Real Analysis         | University of North Bengal |
| B.Ed.   | Mathematics           | University of North Bengal |
| Ph.D.   | Differential Geometry | Jadavpur University        |

#### **Employment Information:**

| Post                                  | Institution/Organization        | Period / Duration   |  |
|---------------------------------------|---------------------------------|---|--|
| Assistant Professor of<br>Mathematics | Chandidas Mahavidyalaya         | 1 <sup>st</sup> November 2019 to Present                      |  |
| Assistant Teacher                     | Sahajadpur Sarbagan High School | 18 <sup>th</sup> August 2010 to 31 <sup>st</sup> October 2019 |  |



| Participation in Refresher Course / Orientation Courses / Faculty<br>Induction Programme |   |  |  |
|--|---|--|--|
| Sl. No.  | Description   |  |  |
| 1  | Participated in the <b>"8<sup>th</sup> Refresher Course in Basic Sciences"</b> during 10-23<br>September, 2020 organized by UGC-HRDC, Jamia Millia Islamia. |  |  |
| 2  | Participated in the <b>"Online Faculty Induction Programme-3"</b> during 1-30 January, 2021 organized by UGC-HRDC, Kannur University.                       |  |  |

## Paper Publications:

| List of Publications in National & International Journals |   |  |  |  |  |
|---|---|--|--|--|--|
| Sl. No.   | No. Publications  |  |  |  |  |
| 1   | <i>"On weakly W2-symmetric manifolds"</i> , <b>Sarajevo J. of Mathematics 15(3)</b> (2007), 1-19, Bosnia and Montgomery.<br>ISSN: 1840-0655(print), 2233-1964(online);                                      |  |  |  |  |
| 2   | "On φ-recurrent generalized (k, μ)-contact metric manifolds", Lobachevskii J.<br>Math. 27 (2007), 3-13, Springer-Verlag, Russia.<br>ISSN: 1995-0802(print), 1818-9962(online); [Scopus, Web of Sci., ESCI]  |  |  |  |  |
| 3   | <i>"On locally φ-symmetric (LCS)<sub>n</sub>-manifolds"</i> , <b>Int. J. Pure Appl. Math. 41(8)</b> (2007),1161-1170, Bulgaria.<br>ISSN: 1311-8080(print), 1314-3395(online); [Scopus]                      |  |  |  |  |
| 4   | "On D-homothetic deformation of trans-Sasakian structure", Demonstratio<br>Math. 41(1) (2008), 171-188, Poland.<br>ISSN: 2391-4661; [Scopus, Web of Sci., ESCI]   |  |  |  |  |
| 5   | <i>"On the existence of some types of LP-Sasakian manifolds"</i> , <b>Commun. Korean</b><br><b>Math. Soc. 23(1)</b> (2008), 1-16, South Korea.<br>ISSN: 1225-1763(print), 2234-3024(online); [Scopus, ESCI] |  |  |  |  |
| 6   | "On the existence of $\phi$ -recurrent (LCS) <sub>n</sub> -manifolds", Extracta Math. 23(1) (2008), 71-83, Spain. (Jointly with A.A. Shaikh, T. Basu) ISSN: 0213-8743(print), 2605-5686(online);            |  |  |  |  |

| 7  | "On the existence of weakly Ricci symmetric manifolds admitting semi-<br>symmetric metric connection", <b>Tensor N. S. 70(1)</b> (2008), 95-106, Japan.<br>ISSN: 0040-3504   |
|----|--|
| 8  | <i>"On weakly pseudo quasi-conformally symmetric manifolds"</i> , Indian J. Math. <b>50(3)</b> (2008), 505-518, India. ISSN: 0019-5324; [Scopus]   |
| 9  | <ul> <li>"η-Ricci solitons on Kenmotsu manifolds", Honam Math. J. 40(2) (2018), 383-392.</li> <li>ISSN: 1225 293X(print), 2288-6176(online); [ESCI]</li> </ul>   |
| 10 | <i>"Generalized weakly Ricci-symmetric (CS)</i> <sub>4</sub> <i>-spacetimes"</i> , <b>J. Geom. Phys. 132</b> (2018), 415–422.<br>ISSN: 0393-0440; [Scopus, SCI; IF: 1.38]  |
| 11 | <i>"Invariant submanifolds of (LCS)<sub>n</sub>-manifolds admitting certain conditions",</i><br><b>Honam Math. J. 42(4)</b> (2020) 829-841.<br>ISSN: 1225 293X(print), 2288-6176(online); [ESCI] (DOP: December, 2020)   |
| 12 | <i>"Curvature properties of (t – z)-type plane wave metric",</i> <b>J. Geom. Phys. 160</b> (2021), 104004.<br>ISSN: 0393-0440; [Scopus, SCI; IF: 1.38] DOP: 06-11-2020   |
| 13 | <ul> <li><i>"Hypersurfaces in a conformally flat space"</i>, Int. J. Geom. Methods Mod.</li> <li>Phys. 18(5) (2021) 2150067.</li> <li>ISSN: 0219-8878(print), 1793-6977(online); [SCI Expanded; IF: 1.873] DOP: 29-01-2021</li> </ul>  |
| 14 | "Riemann solitons on generalized weakly W-symmetric α-cosymplectic<br>manifold", Surv. Math. Appl. 16 (2021), 361-370.<br>ISSN: 1842-6298 (electronic), 1843-7265 (print)  |
| 15 | <i>"Curvature properties of Morris-Thorne wormhole metric",</i> <b>J. Geom. Phys. 174</b> (2022) 104457.<br>ISSN: 0393-0440 [Scopus, SCI; IF: 1.38] DOP: 24-01-2022  |
| 16 | <ul> <li>"On Sultana–Dyer spacetime: Curvatures and geometric structures", Int. J.</li> <li>Geom. Methods Mod. Phys. Vol. 20, No. 06, (2023), 2350101.</li> <li>(DOI:10.1142/S0219887823501013)</li> <li>ISSN: 0219-8878(print) [SCI Expanded; IF: 1.873] DOP: 06-02-2023</li> </ul> |

| Acted as Resource Person |   |  |  |  |
|--------------------------|---|--|--|--|
| SI.<br>No.               | Description   |  |  |  |
| 1                        | Acted as District Resource Person/Circle Resource Person of the District Level<br>Training of Circle Resource Persons on CCE & amp; Subjects (Science and<br>Mathematics) at Upper Primary Level organized by Department of School<br>Education, Govt. of West Bengal sponsored by Department of School Education,<br>Govt. of West Bengal. |  |  |  |

## Paper Presented in seminars:

| Paper Presentation in Academic Seminar/Conference |   |  |  |
|---|---|--|--|
| Sl.<br>No.  | Descriptions  |  |  |
| 1   | Presented paper entitled "Invariant submanifolds of (LCS) <sub>n</sub> -manifolds<br>admitting certain conditions" in the XIV <sup>th</sup> International Conference of<br>Differential Geometry and Dynamical Systems (DGDS 2020) during 27 <sup>th</sup> -29 <sup>th</sup><br>August, 2020 organized by University Polithehnica of Bucharest and the Balkan<br>Society of Geometers, Romania.   |  |  |
| 2   | Presented paper entitled "Hypersurfaces in a Conformally Flat Space" in the <i>International Webinar on Mathematics and Application (IWMA-2020)</i> during 25th -27th September, 2020 organized by the Dept. of Mathematics, University of Burdwan, West Bengal, India.   |  |  |
| 3   | Presented paper entitled "Curvature properties of (t-z) -type plane wave metric" in the XV <sup>th</sup> International Conference of Differential Geometry and Dynamical Systems (DGDS 2021) during 26 <sup>th</sup> -29 <sup>th</sup> August, 2021 organized by University Polithehnica of Bucharest and the Balkan Society of Geometers, Romania.   |  |  |
| 4   | Presented paper entitled "Curvature properties of Morris-Thorne Wormhole Metric" in the XVI <sup>th</sup> International Conference of Differential Geometry and Dynamical Systems (DGDS 2022) during 1 <sup>st</sup> -4 <sup>th</sup> September, 2022 organized by University Polithehnica of Bucharest and the Balkan Society of Geometers, Romania.   |  |  |
| 5   | Presented paper entitled "Geometric properties of Sultana-Dyer Spacetime" in<br>UGC Sponsored two-days National Conference on Advances in Mathematical<br>Sciences and its Applications (NCAMSA-2023) during 17 <sup>th</sup> -18 <sup>th</sup> March, 2023<br>organized by Department of Mathematics, Acharya Nagarjuna University,<br>Nagarjuna Nagar-522510, A.P. India, collaboration with Andhra Pradesh and<br>Telengana Society for Mathematical Sciences. |  |  |

## Participation in Seminars/Workshops:

| List of National/International Seminar/Workshop/Webinar Attended |  |  |  |  |  |
|--|--|--|--|--|--|
| Sl. No.  | Description  |  |  |  |  |
| 1  | Attended twelve-days workshop on " <i>Probability, Statistics and Optimization Method with Applications</i> " organized by National Institute of Technology, Durgapur.   |  |  |  |  |
| 2  | Attended one-day national webinar on <i>"Geometry and its Applications"</i> on 9 <sup>th</sup> August 2020 organized by Department of Mathematics, Bankura Zilla Saradamani Mahila Mahavidyapith.                              |  |  |  |  |
| 3  | Attended one-day national webinar on "Scientific Approaches Towards<br>COVID-19 Pandemic" on 2 <sup>nd</sup> August 2020 organized by Science<br>Departments and IQAC of Chandidas Mahavidyalaya, Khjutipara, Birbhum.         |  |  |  |  |
| 4  | Attended one-day national webinar on "Differential Equations and their Applications" on 6 <sup>th</sup> August 2020 organized by Department of Mathematics, Bankura Zilla Saradamani Mahila Mahavidyapith.                     |  |  |  |  |
| 5  | Attended international level online webinar "An Introductory Course on Fluid Dynamics" during 17-20 August and 24-28 August 2020 organized by Department of Mathematics, CHRIST (Deemed to be University), Bangalore.          |  |  |  |  |
| 6  | Attended seven-days international level online workshop on "COVID-19 and its impact in India" during 21-27 July, 2020 organized by IQAC, Chandidas Mahavidyalaya and Ananda Chandra College, Jalpaiguri.                       |  |  |  |  |
| 7  | Attended six-day national level online workshop on " <i>Programming essentials for Mathematics using Python</i> " during August 9-14, 2020 organized by Department of Mathematics, CHRIST (Deemed to be University), Bangalore |  |  |  |  |
| 8  | Attended state level webinar on " <i>Online Teaching-learning in Neo-normal: A Challenge</i> " on 3 <sup>rd</sup> September, 2020 organized by Internal Quality Assurance Cell, Chandidas Mahavidyalaya, Birbhum.              |  |  |  |  |

## **Contribution and Performance at a Glance:**

| Publication | Resource<br>person | Paper<br>presentation | Participation | OP/RC<br>Course | STC | Research<br>Project |
|-------------|--------------------|-----------------------|---------------|-----------------|-----|---------------------|
| 16          | 01                 | 05                    | 08            | 02              | 00  | 00                  |