



Dr. Sworup Kumar Das

Designation: Assistant Professor (Guest Faculty)

Qualification: M.Sc., M.Phil., Ph.D.

Date of Birth: 24.12.1992

Date of Joining: 01.12.2021

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VIDWAN: <https://vidwan.inflibnet.ac.in/profile/378988>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57213459861>

Google Scholar: <https://scholar.google.com/citations?user=b18-M2MAAAJ&hl=en>

Research Gate: <https://www.researchgate.net/profile/Sworup-Das>

Area of Interest

Analysis, Algebra, Operator Theory

Courses taught

Real Analysis, Discrete Mathematics, Group Theory, Ring Theory, Linear Algebra, Calculus, Differential Equations, Number Theory.

Career

Guest Faculty (2021-present): Rama Devi Women's University, Bhubaneswar

Teaching Experience

3 years

Research Experience

4 years

Administrative/Executive Experience (only prominent/statutory roles including membership of academic council/syndicate/board of studies. Avoid mere membership in committees): NA

Awards & Honors (including travel support award):

- Radha Krishna Memorial Award from Kendrapara Autonomous College for Best Graduate in B.Sc. Examination 2012.

- Tarini Charan Mohapatra Memorial Award from Kendrapara Autonomous College for securing highest percentage of marks among the first class students of B.Sc. Mathematics (Hons.) examination 2012.
- P.G. Merit Scholarship for University Rank Holders (2012-14) for P.G. Programs.
- Scholarship for Encouraging Meritorious Students to Pursue Post Graduate Studies in Science, Mathematics & Biotechnology by State Council on Science & Technology, Science and Technology Department, Government of Odisha.
- National Fellowship for Students of Other Backward Classes (OBC) for the year 2016-2017 to pursue M.Phil./Ph.D. Degree.

Research Guidance: NA

Research Grants (All research grants including seed funds): NA

Publications:

Patents (Entire list of patents/copyrights etc.): NA

Journal Publications (Give the entire list of publication in Scopus/SCI-WoS/UGC care only):

- Das, N. and Das, S. K., “*On a class of weighted composition operators on the Bergman space of the upper half plane*”, Ann. Acad. Rom. Sci., Ser. Math. Appl., **11(2)** (2019), 285-311. (Scopus)
- Das, N. and Das, S. K., “*Finite rank little Hankel operators on the Bergman space of the upper half plane*”, Khayyam J. Math., **8(1)** (2022), 25-32. (Scopus)
- Das, N. and Das, S. K., “*On a class of Toeplitz and little Hankel operators on the Bergman space of the upper half plane*”, FILOMAT, **36 (13)** (2022), 4397–4415. (SCI, Scopus)
- Das, S. K. and Das, N., “*The Berezin transformation on the Bergman space of the upper half plane*”, Ann. Acad. Rom. Sci., Ser. Math. Appl. (2024) (Scopus) (Accepted).

Book/book chapter Publications (entire list of books/book chapters): NIL

Participation in Conferences & Seminars:

- Participated in the skill Based Workshop on “MATLAB” held in the Department of Mathematics, Utkal University during November 20-21, 2015.
- Participated in the “National Workshop on MATLAB for Mathematical Applications” organized by Institute of Mathematics & Applications, Andharua, Bhubaneswar during 22-23, January 2017.

- Participated in the Skill Based Workshop on “MATLAB & MAPLE” held in the Department of Mathematics, Utkal University during March 24-25, 2017.
- Participated in “National Conference on Advances in Mathematics and its Applications (NCAMA-2017)” and 44th Annual Conference of Odisha Mathematical Society (OMS) organised by Department of Mathematics, Ravenshaw University held on 31st March and 1st April, 2017.
- Attended the “National Workshop on Computational & Industrial Mathematics (NWCIM-2017)” organized by Department of Mathematics, School of Applied Sciences, KIIT University, Bhubaneswar, during 16th - 21st May, 2017.
- Participated in the “National Workshop on organized by Institute of Mathematics & Applications, Andharua, Bhubaneswar during 23-24, March 2018.
- Participated in the Teachers Enrichment Workshop (TEW) on “Real, Complex and Functional Analysis” funded by National Center of Mathematics held at Institute of Mathematics & Applications, Andharua, Bhubaneswar during 19-25, June 2018.
- Participated in the National Seminar on “Data Science With 46th Annual Conference of Odisha Mathematical Society”, organized by Silicon Institute of Technology, Bhubaneswar held on 19th and 20th, January, 2019.
- Participated in the “Annual Foundation School (AFS-III)” held at NISER, Bhubaneswar during 1st - 27th July, 2019.
- Participated in the online workshop on “Mathematical Analysis (MATANA-2020)” organized by the PG & Research Department of Mathematics, Loyola College (Autonomous), Chennai - 34, Tamil Nadu held during 8th - 13th June 2020.
- Participated in the INSA & NCM joint online Teachers Enrichment Workshop (TEW) on “Analysis & Algebra” hosted by Kongu Engineering College, Perundurai, Tamil Nadu during February 5th - 28th 2021.
- Participated in the online Instructional School for Teachers (IST) on “Linear Algebra” hosted by National Institute of Technology (NIT) Arunachal Pradesh during February 20th - March 28th 2021.
- Participated AICTE recognized Short Term Course on “Free Software and Resources for Technical Education through ICT” conducted by Computer Science and Engineering Department during March 21st - March 25th 2022 (one week) at Rama Devi Women’s University, Bhubaneswar.
- Participated in the one week faculty development program on “Scientific Software” organized by Department of Mathematics, School of basic Science, The Assam Kaziranga University during 12th July – 17th July 2024.

Other information(s)

Research Paper Presented in International / National Conference:

1. Presented a research paper entitled “Weighted composition operators *on the Bergman space of the upper half plane*” in the National Seminar on “Recent Trends in Mathematical Analysis & Applications”, organized by Department of Mathematics, Utkal University, VaniVihar, Bhubaneswar, held on 28th February and 1st March, 2019.
2. Presented a research paper entitled “On certain distance estimates for weighted composition operator $V_{\{a\}}$ ” in the National Seminar on “Functional Analysis & its Applications”, organized by Department of Mathematics, Utkal University, VaniVihar, Bhubaneswar, held on 11th March, 2019.
3. Presented a research paper in the form of poster entitled “Distance estimate for operators on the Bergman space of the upper half plane” in the Research scholars' conclave organised by Regional Research Hub, Bhubaneswar Chapter, Utkal University, VaniVihar, Bhubaneswar, held on 26th November, 2019 as a part of Platinum Jubilee Celebration.
4. Presented a research paper entitled “Finite rank little Hankel operators on the Bergman space of the upper half plane” in the International Conference (ICAMAA-2020) on “Advanced Mathematical Analysis and its Applications”, organized by Department of Mathematics, Berhampur University, Bhanja Bihar, Berhampur, held on 4th-5th February, 2020.
5. Presented a research paper entitled “On certain involutive self-adjoint operators on the Bergman space of the upper half plane” in the International Conference (ICAMC-2020) on “Advances in Mathematics and Computing”, organized by Department of Mathematics, Veer Surendra Sai University of Technology, Burla, Sambalpur held on 7th - 8th February, 2020.
6. Presented a research paper entitled “On a class of weighted composition operators on the Bergman space of the upper half plane” in the National Seminar on “Mathematical Analysis and Computing & 47th Annual Conference of Odisha Mathematical Society”, organized by National Institute of Science & Technology (Autonomous), Berhampur, Odisha held during 15th and 16th, February, 2020.
7. Presented a research paper entitled “On a class of Toeplitz and little Hankel operators on the Bergman space of the upper half plane” in the National Seminar on “Scope of Mathematics in Data Science & 48th Annual Conference of Odisha Mathematical Society”, organized by Institute of Mathematics & Applications, Andharua, Bhubaneswar, Odisha held during 10th and 11th, April, 2021.
8. Presented a research paper entitled “A Berezin like transformation on the Bergman space of the upper half plane” in the International Conference on “Analysis and Discrete Mathematics & 49th Annual Conference of Odisha Mathematical Society”, organized by Department of Mathematics, Utkal University, VaniVihar, Bhubaneswar, Odisha held during 26th and 27th, March, 2022.

