

BOLPUR COLLEGE, BOLPUR, BIRBHUM-731204, W.B

TEACHERS' PROFILE

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|-----------------------------------|------------------------------------|
| Name: | Dr. Sk. Jaker Ali |
| Date of Birth: ` | 09.07.1959 |
| Nationality: | Indian |
| Sex: | Male |
| Marital Status: | Married |
| Current Academic Position: | Associate Professor of Mathematics |
| Email: | ali.jaker2015@gmail.com |
| Experience: | 36 years teaching experience |

1.Academic Qualifications:

| Name of Examination passed | Name of Board/ University/ Institution | Division/ Class | Year of passing | % of Marks obtained | Subjects taken |
|--|---|-----------------|-----------------|---------------------|--|
| Madhyamik Examination | West Bengal Board of Secondary Education | Second Division | 1976 | 55.9 % | Bengali, English, Persian, Life Science, Physical Science, Mathematics, Geography, History, Work Education |
| Higher Secondary Examination (Science) | West Bengal Council of Higher Secondary Education | Second Division | 1978 | 58.6% | Bengali, English, Physics, Chemistry, Mathematics, Life Science |
| B. Sc. Honours (in Mathematics) | The University of Burdwan | First Class | 1981 | 65.3% | Mathematics (Honours), Physics, Chemistry |
| M. Sc. (in Mathematics) | The University of Burdwan | First Class | 1983 | 68.1% | Mathematics (Pure with Special Papers - Functional Analysis and Operator Theory) |

2. Research Experience:

Obtained Ph. D. Degree from the University of Burdwan in 1994, Title of the Thesis - Pettis Integration and Analytic Weak Radon-Nikodym Property.

3. Participation in Refresher Course, Orientation, Workshop, Short term course:

| Sl.No | Name of the Programme | Duration with Date | Venue |
|-------|---|---|--|
| 1 | UGC-Sponsored Three Week Refresher Course in Mathematics. | From 22.12.1993 to 11.01.1994 | Department of Mathematics, The University of Burdwan |
| 2 | UGC-Sponsored Three Week Refresher Course in Mathematics. | From 05.07.1994 to 25.07.1994 | Academic Staff College, The University of Burdwan |
| 3 | UGC-Sponsored Three Week Refresher Course in Mathematics. | From 16.08.2001 to 05 .09.2001 | Academic Staff College, Calcutta University |
| 4 | Recent Advances in Mathematics- A National Seminar Organized by Department of Mathematics, The University of Burdwan. | From 01.02.2000 to 03.02.2002. | Department of Mathematics, The University of Burdwan |
| 5 | Mathematics and its Application - A National Seminar Organized by Department of Mathematics, The University of Burdwan. | From 26.12.2001 to 28.12.2001. | Department of Mathematics, The University of Burdwan |
| 6 | Recent Trends in Mathematics- A National Seminar Organized by Department of Mathematics, The University of Burdwan. | From 26.12.2002 to 28.12.2002. | Department of Mathematics, The University of Burdwan |
| 7 | Urbanization in Bengal from Ancient to Modern Times – UGC Sponsored National Seminar at Bolpur College. | From 06.03.2005 to 07.03.2005. | Bolpur College |
| 8 | UGC Sponsored Workshop for Academic Administrations – at The University of Burdwan. | From 16.04.2013 to 20.04.2013 | The University of Burdwan |
| 9 | Workshop for Academic Administrations - UGC Sponsored Short Term Course - at The University of Burdwan, | On 23.12.2013, 24.12.2013 and 26.12.2013. | The University of Burdwan |

4. Detailed List of Publication:

a) Research Papers and Articles:

- i) **Sk. Jaker Ali** and N. D. Chakraborty, On Dunford and Gelfand Integrals in Locally Convex Spaces, *Indian J. pure appl. Math.*, 23(3): 203 –216, March 1992.
- ii) N. D. Chakraborty and **Sk. Jaker Ali**, On Strongly Pettis Integrable Functions in Locally Convex Spaces, *Revista Matematica de la Universidad Complutense de Madrid, Volume 6, No. 2; 1993, 241 –262.*
- iii) **Sk. Jaker Ali** and N. D. Chakraborty, Weak Radon-Nikodym Property and Vector-Valued Harmonic Functions, *Journal of the Indian Math. Soc. Vol. 60 (1994) pp. 49 – 57.*
- iv) **Sk. Jaker Ali** and N. D. Chakraborty, Analytic Weak Radon-Nikodym Property in Banach Spaces, *Journal of the Indian Math. Soc. Vol. 61 Nos. 3-4(1995), 213 – 225.*
- v) **Sk. Jaker Ali** and N. D. Chakraborty, Pettis integration in locally convex spaces, *Analysis Mathematica, 23(1997), 241 –257.*
- vi) **Sk. Jaker Ali** and N. D. Chakraborty, Weak Radon-Nikodym Property in a Banach Space Associated with a Compact Metrizable Abelian Group, *Journal of the Indian Math. Soc. Vol. 68, Nos. 1-4(2001), 133 –143.*
- vii) N. D. Chakraborty and **Sk. Jaker Ali**, Type II- Λ -Weak Radon-Nikodym Property in a Banach Space Associated with a Compact Metrizable Abelian Group, *Extracta Mathematicae Vol. 23, Num. 3, 201 – 216 (2008).*
- viii) **Sk. Jaker Ali** and Pratikshan Mondal, Riemann and Riemann-Type Integration in Banach Spaces, *Real Analysis Exchange Vol. 39(2), 2013/14, pp. 403-440.*
- ix) Pratikshan Mondal, L.K.Dey and **Sk. Jaker Ali**, Equi-Riemann and equi-Riemann-Type integrable functions with values in a Banach Space, *Real Analysis Exchange Vol. 43(2), 2018, pp. 301-324.*
- x) Pratikshan Mondal, L.K.Dey and **Sk. Jaker Ali**, Nets and sequences of Riemann and Riemann-Type integrable functions with values in a Banach Space, *Functiones et Approximatio Vol. 62(2), 2020, pp. 203-226.*
- xi) Pratikshan Mondal, L.K.Dey and **Sk. Jaker Ali**, Nets and sequences of p-Bochner and p-Pettis integrable functions with values in a Banach Space, *Functiones et Approximatio Vol. 63(1), 2020, pp. 43-65.*
- xii) Pratikshan Mondal, L.K.Dey and **Sk. Jaker Ali**, Quasi-Uniform and Uniform convergence of Riemann and Riemann-Type integrable functions with values in a Banach Space, *Filomat Vol. 34(6), 2020, pp. 1899-1913.*
- xiii) Pratikshan Mondal, L.K.Dey and **Sk. Jaker Ali**, Linear operators associated with p-Dunford, p-Pettis and p-Bochner integrable functions with values in a Banach space, *Journal of Mathematical Analysis and Applications Vol. 514, 2022, pp. 1-14.*

b) **Books:** NIL

- i)
- ii)

c) **Chapters Contribute in edited Volume:** NIL

- i)
- ii)

d) **Proceedings:** NIL

- i)
- ii)

5. List of Papers presented in the Seminar/Conference

| Sl.No | Topic | Organised By | Date | Title of the Paper |
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6. List of invited talk in the Seminar/Conference:

| Sl.No | Topic | Organised By | Date | Title of the Paper |
|-------|-------|--------------|------|--------------------|
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7. Detail list of research Project:

| Sl.No | Type of the Project | Title of the Project | Funding agency | Amount(Rs) | Year |
|-------|---------------------|----------------------|----------------|------------|------|
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8. Performed duty as Paper Setter/ Moderator

| Sl.No | Course | University/Board | Subject | Paper |
|-------|--|---------------------------|--------------------------|----------------------------------|
| 1 | B. Sc. Part-I (General) Examination-2010 (Paper Setter) | The University of Burdwan | Mathematics (General) | I |
| 2 | B. A. /B. Sc. Part-I (General) Examination-2011 (Paper Setter) | The University of Burdwan | Mathematics (General) | I |
| 3 | B. A. /B. Sc. (Honours) Part-I Examination-2011 (Paper Setter) | Visva-Bharati | Mathematics (Subsidiary) | BMS-101 (Algebra & Trigonometry) |
| 4 | B. A. (Honours) Part-I | Visva-Bharati | Mathematics | BMS-101 |

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|---|--|---------------|----------------------------------|--|
| | Examination-2012 (Paper Setter) | | (Subsidiary) | (Algebra & Trigonometry) & BMS-203 (Numerical Methods) |
| 5 | B. Sc. Supplementary Examinations, 2015 (Semestar I to VI) (Moderator) | Visva-Bharati | Mathematics (Honours and Allied) | All |

9. Appointed as Coordinator/Head Examiner

| Sl.No | Course | University/Board | Subject | Paper |
|-------|--------|------------------|---------|-------|
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10. Consultancy:

Member of the Syllabus Revision Committee in Mathematics, The University of Burdwan since 24.01.2014 for one term.

11. Membership of Organizations:

i) Member of Governing Body, Bolpur College, as Teachers' Representative – From 30.09.2003 to 29.09.2009 (Two Terms).

ii) Member of Governing Body, Illambazar Kabi Joydeb Mahavidyalaya, as Government Nominee – From September, 2015 to September, 2018.

12. Any other:

Teacher-in-Charge, Bolpur College – From 26.11.2012 to 31.05.2015.