

Faculty Profile



Name : Dr. NABA KANTA SARMA

Department : Mathematics

Area of Interest : Number Theory, Algebra, Graph Theory, Fixed Point Theory
in Distance Spaces

Telephone No. : 7002794523 (Whatsapp)
9435090536

E-mail : kanta.naba@gmail.com
kanta_naba@rediffmail.com

Academic Qualification : M.Sc in Mathematics, Gauhati University in 2000.
PhD in Algebraic Number Theory, IIT Guwahati in 2018.

Awards and Honors:

Award Details	Awarding Agency	Year	Remarks
Gold Medal	Gauhati University	1998	First Class first position in B.Sc
Gold Medal	Gauhati University	2001	First class first position in M.Sc
CSIR JRF	CSIR-UGC	2001	Placed among top 20% awardeed
GATE	MHRD	2003	All india rank 18

Work Experience:

Designation	Department			Nature of Post
		From	To	
Lecturer	Mathematics	07.11.2002	09.12.2008	Permanent
Assistant Professor	Mathematics	10.12.2008	Till date	Permanent

Published papers in Journals:

1. N. K. Sarma, Torsion of elliptic curves over real quadratic fields of the smallest discriminant, IJPA, Vol 50(1), 2019, 161-169, ISSN: 0019-5588.
2. N.K. Sarma, A. Saikia: Torsion of elliptic curves over imaginary quadratic field of class number 1, Rocky Mountain Journal of Mathematics, volume 48, Number 8 (2018), 2689-2703, ISSN 0035-7596.
3. D.K. Basnet, N.K. Sarma: A note on intuitionistic Fuzzy Equivalence Relation, International Mathematics Forum, 67(5) (2010), 3301-3307, ISSN: 1312-7594(Print), 1314-7536(online).
4. D.K. Basnet, N.K. Sarma, L.B Singh: Fuzzy Superfluous Submodule, 6th IMT-GT international conference on Mathematics, Statistics and its application (ICMSA-2010), 3-4 Nov, 2010, Kuwalalumpur, Malasaia, 330-335, ISBN: 978-983-41743-3-0.
5. A. Saikia, N.K Sarma, D Chakraborty: On the fundamental units of totally imaginary biquadratic fields of odd class number, communicated.

Paper Presented in National/International Conference :

1. Presented a paper "Torsion of elliptic curves over real quadratic fields of smallest discriminant" at the national conference RTMS-2017 held at Assam University during 24-26 March, 2017.
2. Presented a paper "Torsion subgroup of elliptic curves over the quadratic fields $Q(\sqrt{-5})$ and $Q(\sqrt{-13})$ " at the international conference ICACM-2018 held at Himachal Pradesh University, Shimla during 23-25 November, 2018.

Conference/Workshop/Webinar organised: .

1. Organized one-day "Induction Program on Mathematics and its Applications" as a joint coordinator in Department of Mathematics, AUS on 19-02-2021.
2. Organised one-week Online Workshop on "Numerical Linear Algebra" as coordinator along with Prof. Samira Behera and Dr. Uday Sankar Chakraborty in the Department of Mathematics, AUS during September 19-25, 2020 under UGC-SAP.
3. Organised one-week International Webinar on "Design and Applications of Single and Multi-Objective Optimization Techniques" as coordinator along with Prof. Samira Behera and Dr. Uday Sankar Chakraborty in the Department of Mathematics, AUS during September 7-11, 2020 UGC-SAP.
4. Organized one-week National Workshop on "Algebraic Number Theory" as coordinator along with Prof. Samira Behera and Dr. Uday Sankar Chakraborty in the Department of Mathematics, AUS during August 31-September 5, 2020 UGC-SAP.
5. Organized one-day National Webinar "Mathematical and Statistical Modelling of Some Infectious Diseases Relevant to COVID-19" as coordinator along with Prof. Sanjib Sengupta in the Department of Mathematics, AUS on July 6, 2020.
6. Organised one-week Online Workshop on "Numerical Linear Algebra" as coordinator along with Prof. Samira Behera and Dr. Uday Sankar Chakraborty in the Department of Mathematics, AUS during September 19-25, 2020.
7. Organised national conference "Recent Trends in Mathematical Sciences-2017" as joint secretary in 2017.
8. Organised regional workshop on "Analysis and Algebra" at Assam University as Convenor in June 5-9, 2017.

Lecture Delivered as resource person:

1. Delivered a lecture on “From Calculus to Analysis” in the webinar organised by Royal Global University on July 31, 2020.
2. Delivered a lecture on “Motivating Mathematics through common errors” in the webinar organised by Assam downtown university on July 10, 2020.
3. Acted as resource person and tutor at AFS-II held at Assam University, Silchar during June 4-30, 2018.
4. Delivered a series of lectures as resource person in NBHM sponsored workshop on “Algebra and Analysis” at Tezpur University during 21-23.02.2015.
5. Delivered a lecture as resource person in NBHM funded Olympiad workshop “Mathematics Expedition” at G.C.College, Silchar during Dec 22-24, 2015.
6. Delivered a series of lectures as a resource person in NBHM sponsored “Excursion in Mathematics” at NIT Silchar during 30.06.2011-05.07.2011.
7. Acted as tutor in the NBHM sponsored Annual Foundation School-I at IIT Guwahati during 1-28 December, 2016.
8. Acted as tutor at the undergraduate workshop on “Analysis and Algebra” during June 5-9, 2017 at Assam University, Silchar.
9. Acted as tutor at AIS on “Algebraic Number Theory” at IIT Guwahati during 14.05.2018-02.06.2018

8. List of workshop/Training programmes attended so far

1. ATM workshop on “Arithmetic Geometry” at IIT Guwahati during 22-30.09.2008.
2. ATML in “Algebra and Number Theory” at Panjab University, Chandigarh during 15.12.2009-31.12.2009.
3. National Conference “RAMSA-10” at Assam University, Silchar during 25-27.11.2010.
4. NBHM funded workshop to train resource persons for Mathematics Olympiad 2011 at Gauhati University, Guwahati during 10-12.06.2011.
5. ISL in Algebra at Kumayun University, Almora during 20.02.2012-03.03.2012.

6. Winter School on Galois Theory at Tezpur University during 12-15.12.2012.
7. AIS on “Algebraic curves and Riemann Surfaces” at IISER, Pune during 03.06.2013-22.06.2013.
8. AIS on “Diophantine Equations” at Himachal Pradesh University, Shimla during 16.06.2014-04.07.2014.
9. Winter School on “Modular forms in one and several variables” at Goa University during 08-17.12.2014.
10. Participated in “Research Conclave” and presented a poster on “Recent Development on the twin prime conjecture” at IIT Guwahati during March 23-26, 2015.
11. AICTE sponsored short term course on “Recent trends in Networks and distributed computing” at IIT Guwahati during 10-14.02.2015.
12. MHRD sponsored National course on “Mathematics for Engineering Education” at IIT Guwahati during 16-20.02.2015.

12. **Other activities:**

1. Conducted Mathematics Olympiad competition as co-ordinator of Silchar centre held on 04.09.2011.
2. Acted as teaching assistant in the courses MA-101 and MA-102 at IIT Guwahati as a PhD student during July 2012- July 2015.