Personal Profile

Name   : Dr. Avinoy Paul
Designation   : Assistant Professor & Head
Department   : Mathematics
Specialization/ Area of Interest   : Analysis & Algebra
Date of Joining   : 12th September, 2011
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Academic Qualifications:

Sl.No	Degree	Subject/ Area	Institute	Year
1.	B.Sc	Mathematics(Honours)	Nowgong College, Nagaon	2002
2.	M.Sc	Pure Mathematics	Gauhati University, Guwahati	2004
3.	M.Phil	*Image Enhancement Tehniques in Spatial and Frequency Domain*	Assam University, Silchar	2009
4.	Ph.D	*Spectra of B(r, s, t) Type Operator on some Sequence Spaces*	Gauhati University, Guwahati	2014

List of Publication

[1] M.Singha, K.Hemachandran and **A.Paul**, *Content-based image retrieval using the combination of the fast wavelet transformation and the colour histogram*, **IET image Processing**, Vol. 6(9)(2012), 1221-1226. doi10.1049/iet-ipr.2011.0453

[2] B.C. Tripathy and **A.Paul**, *The spectrum of the operator $D(r, 0, 0, s)$ over the sequence spaces c_0 and c*, **Kyungpook Math. Jour.**, **53**(2013), 247-256.

[3] B.C. Tripathy and **A.Paul**, *The spectrum of the operator $D(r, 0, s, 0, t)$ over the sequence spaces c_0 and c*, **Journal of Mathematics**, Vol. 2013, Article ID 430965, 7 pages.

[4] B.C. Tripathy and **A.Paul**, *Spectrum of the operator $B(f, g)$ on the vector valued sequence space $c_0(X)$ and c*, **Bol.Soc.Paran.Math**, (3s) v. **31** 1(2013), 105-111.

[5] **A.Paul** and B.C. Tripathy, *The spectrum of the operator $D(r, 0, 0, s)$ over the sequence spaces ℓ_p and bv_p*, **Hacettepe Journal of Mathematics and Statistics**, Volume **43** (3) (2014), 425 – 434

[6] B.C. Tripathy and **A.Paul**, *The spectrum of the operator $D(r, 0, s, 0, t)$ over the sequence spaces ℓ_p and bv_p*, **Afr. Mat**., Vol. 26(2015), 1137-1151. DOI 10.1007/s13370-014-0268-5

[7] **A.Paul** and B.C. Tripathy, *The spectrum of the operator $D(r, 0, 0, s)$ over the sequence space bv_0*, **Georgian Journal of Mathematics**, **22(3**)(2015), 421–426.

[8] **A.Paul** and B.C. Tripathy, *Subdivisions of the Spectra for the Operator $D(r, 0, 0, s)$ over Certain Sequence Spaces*, **Bol.Soc.Paran.Math**, (3s.) Vol.**34** 1 (2016), 75–84.

[9] **A.Paul** and B.C. Tripathy, *On Generalized Kothe-Toeplitz Duals of Some Vector Valued Sequence Spaces*, **Journal of Tripura Mathematical Society**, Vol.17, December, 2016, 86-89

[10] **A.Paul**, *Studies on Integrated and Differentiated Type Sequence Spaces*, **Journal of Tripura Mathematical Society**, Vol.18, April 2017,13-18.

[11] **A.Paul** and B.C.Tripathy, *Subdivisions of the Spectra for D(r, 0, s, 0, t) Operator on Certain Sequence Spaces*, **Bol.Soc.Paran.Math** (3s.) (2018), 1-10

[12]**A.Paul**, *On some new paranormed sequence spaces defined by the matrix $\widehat{D}(\hat{r},0,0,\hat{s})$*, **Proyecciones Journal of Mathematics**, Vol.40, N^0 3, June 2021, 779-796.

[13] **A.Paul** and B.C.Tripathy, *The application domain of the difference type matrix D(r, 0, s, 0, t) on some sequence spaces*, **Yugoslav Journal of Operations Research** 2021 OnLine-First Issue 00, pages: 32-32. DOI:https://doi.org/10.2298/YJOR200618032P

Book Chapter or Edited Book Published

[1] A. Paul (2021), Spectrum and its partition of the operator D(r,0,0,s) over the sequence spaces cs, *New Thoughts on Ancient and Modern Mathematics*, pp.93-103.[ISBN: 978 81 8194747 54 3(Print Book), 978 81 8194747 55 0(eBook)]

[2]A. Paul (2021), Classification of Spectrum of the lower triangular matrix D(r, 0, s, 0, t) on the sequence space cs, Proceedings of the international conference on discrete and applied mathematics 2020(ICDAM 2020), pp.61-71[ISBN:978-93-5473-020-7]

Presentation in National /International Seminar (Last Five Years)

[1]Paper entitled "*Application domain of difference type matrix D(r,0,0,s) on some sequence spaces*", presented in International Conference on Applied Mathematics and Computational Intelligence(ICAMCI-2020), during 23-24 December 2020, organized by Department of Mathematics, National Institute of Technology, Agartala, India.

[2]Paper entitled "*Classification of Spectrum of the Lower Triangular Matrix D(r,0,s,0,t) on the sequence spaces*", presented in International Conference On Discrete And Applied Mathematics 2020(ICDAM 2020), during 18-19 September 2020, organized by Center for Studies in Discrete Mathematics, Vidya Academy of Science and Technology, Kerala jointly with Kerala Mathematical Association.

[3]Paper entitled "*Spectrum of the Difference Operator D(r,0,0,s) on the Hahn sequence space H*" presented in International Conference on Emergent Research in Mathematics and Engineering-(ICERME-2019), during 17-18 May, 2019, organized by Department of Mathematics, National Institute of Technology, Agartala, India.

[4] Paper entitled "Studies On Some New Paranormed Sequence Spaces Defined By the Matrix $\hat{D}(\hat{r},0,0,\hat{s})$"presented in International Conference on Recent Trends in Mathematical Sciences(ICRTMS-2018), during 24-25 March, 2018, Organized by Department of Applied Mathematics, Maharaja Bir Bikram University, Tripura in collaboration with Tripura Mathematical Society, Tripura ,Inida.

[5]Paper entitled "Studies on metric on multi-set spaces" presented in Recent Trends in Mathematical Sciences (RTMS-2017), during 24-26 March, 2017, organized by Department of Mathematics, Assam University, Silchar, Assam, India.

Training Received (Last Five Years)

Name of the Course/ Programme/Training/ Summer or Winter School	Place & Instt.	Duration (Dates)	Sponsoring Agency (UGC/ICAR/ICHR/ICSSR/ Academies/Universities etc)
Instructional School for Teachers in Topology	Department of Mathematics, IIT Patna	May 1-13, 2017	NBHM
Instructional School for Teachers on Linear Algebra and Multivariable Calculus	Dibrugarh University, Dibrugarh	December 18-30, 2017	National Centre for Mathematics and Dibrugarh University
Pedagogical Training for Mathematics Teachers	Tripura University, Agartala	March 26-31, 2018	NBHM
Advanced Instructional School on Differential Topology	North-Eastern Hill University, Shillong	July 02-21, 2018	National Centre for Mathematics
Teacher's Enrichment Course in Undergraduate Mathematics Cirriculum	Department of Mathematics, IIT, Guwahati	January 07 -12, 2019	PMMMNMTT
Teacher's Enrichment Course in Undergraduate Mathematics Cirriculum, 01-13 July, 2019	Department of Mathematics, IIT, Guwahati	July 08-13, 2019	PMMMNMTT
Refresher Course in Mathematics	UGC-HRDC, University of Hyderabad	July 18-31, 2019	UGC
One Week Faculty Development Program on Cyber Security	Department of CSE, NIT, Silchar	October 14-19,2019	PMMMNMTT
Pedagogical Training for Mathematics Teachers	Tezpur University, Tezpur	December 25-30, 2019	NBHM
Faculty Development Programme on R	IIT Bombay	June 15-21, 2021	National Mission on Education on Education through ICT, MHRD, Govt. of India
Online Summer School	Department of Mathematics, Presidency University, Kolkata	27th June to 6th July, 2020	Presidency University, Kolkata
Introduction to SageMath	Institute of Chemical Technology, Mumbai	May 20 to June 29, 2020 (two sessions per week)	TEQIP-III in collaboration with MTTS Trust
One Week Faculty Development Program on Cyber Security	Dept.of Computer Science and Engineering JNTUK University College of Engineering Vizianagaram	June 11-16, 2020	UCEV CSI Student Branch(Region-V) and SUPRAJA TECHNOLOGIES
Workshop on MOOCs, Online Courses & Open Educational Resources	NEHU, Shillong-793022	Sept.28 to Oct 05, 2020	HRDC, NEHU
NPTEL Online Course on "Introduction to R Software"	SWAYAM	Sep-Nov 2020 (8 week course)	Ministry of HRD, Govt. of India
NPTEL-AICTE Faculty Development Programme on " Computational Mathematics with SageMath"	SWAYAM	Jan-Mar 2021 (8 weeks duration)	Ministry of HRD, Govt. of India
An introductory workshop on GeoGebra	The Institute of Mathematical Science, Chennai	01-07 March, 2021	The Institute of Mathematical Science, Chennai

Member of Professional Bodies:

1. Member of the Board of under Graduate Studies, Department of Mathematics, Assam University, Silchar.
2. Member of Mathematical Reviews (A division of the American Mathematical Society).
3. Life Member of Assam Academy of Mathematics.

Resource person:

Acted as a Resource person in MATH XPEDITION a three days Mathematics Olympiad orientation workshop, sponsored by the NBHM and organized by the Dept.of Mathematics, G.C.College, Silchar during 22-24 December, 2015