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ACADEMIC PROFILE:

Qualification	Institution	Board / University	Year of Passing	Percentage
SET (Mathematics)	-	Mother Teresa Women's University, Kodaikanal	Feb - 2016	-
M.Phil., (Mathematics)	National College, Trichy	Bharathidhasan University	Apr-2003	82 % (First Class with Distinction))
M.Sc., (Applied Mathematics)	Bishop Heber College, Trichy	Bharathidhasan University	Apr-2001	71. 6% (First Class)
B.Sc., (Mathematics)	Shrimati Indira Gandhi College, Trichy	Bharathidhasan University	Apr-1999	71.8 % (First Class)

CONFERENCE/ WORKSHOP:

- ❖ Attended **UGC Sponsored Orientation Course** from 09-11-2005 to 06-12-2005 at UGC – Academic Staff College, Bharathidasan University, Trichy-23.
- ❖ Participated and presented a paper in the **International Conference on Mathematical Methods and Computation (ICOMAC 2015)** organized by the P.G. & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Trichy – 20, on 22nd and 23rd January 2015.

- ❖ Participated in the **Mathematics Outreach Programme** organized jointly by the Ramanujan Mathematical Society and National College, Trichy, during the period May 20, 2015 to May 27, 2015 at National College Campus.
- ❖ Attended the **Scilab Workshop** on 4th May 2019, organized by National Institute Of Technology, Trichy.

EXPERIENCE:

- Presently working as Assistant Professor of Mathematics in Shrimati Indira Gandhi College since June 2013.
- Worked as lecturer in Department of Mathematics, Sri Sarada Niketan College of Science for Women, Karur from June 2004-July 2005.
- Worked as lecturer in Department of Mathematics, Shrimati Indira Gandhi College from August 2005 to August 2010.

PUBLICATIONS:

1. M.A.Gopalan, S.Vidhyalakshmi, J.Umarani and D.Maheswari, "Integral points on the hyperbola $x^2+y^2-4xy+26=0$ ", IJPAMS, 6(5), (2013), 419-424.
2. M.A.Gopalan, S.Vidhyalakshmi and D.Maheswari, "Observations on the Hyperbola $y^2=30x^2+1$ ", IJOER, Vol-1, Issue 3, (2013), 312-314.
3. M.A.Gopalan, S.Vidhyalakshmi and D.Maheswari, "Observations on the Hyperbola $y^2=34x^2+1$ ", BOMSR, Vol-2, Issue 4, (2014), 414-417.
4. M.A.Gopalan, S.Vidhyalakshmi and D.Maheswari, "Integer points on the homogeneous cone $2x^2+3y^2=35z^2$ ", Indian Journal of Science, 7(17), (2014), 6-10.
5. M.A.Gopalan, S.Vidhyalakshmi and D.Maheswari, "On the Binary Quadratic Diophantine Equation $x^2-7xy+y^2+5x=0$ ", IJESRT, 3(8), Aug (2014), 193-196.
6. M.A.Gopalan, S.Vidhyalakshmi and D.Maheswari, "Observations on the quintic equation with five unknowns $x^4-y^4=37(z^2-w^2)p^3$ ", IJAR, 1(3), part B (2015), 78-81.
7. M.A.Gopalan, S.Vidhyalakshmi and D.Maheswari, "Observations on the biquadratic equation with five unknowns $x^3+y^3=39(w^2-z^2)p^2$ ", International Journal of Multidisciplinary Research and Development, 2(5), (2015), 83-86.
8. M.A.Gopalan, D.Maheswari and J.Maheswari, "On ternary quadratic Diophantine equation $2(x^2+y^2)-3xy=43z^2$ ", JP Journal of Mathematical Sciences 13(1&2), (2015), 9-23.
9. R.Suganya and D.Maheswari, "On the negative Pellian equation $y^2=110x^2-29$ ", Journal of Mathematics and Informatics, vol-11, (2017), 63-71.

10. S.Dharuna and D.Maheswari, "On the non-homogeneous cubic equation with four unknowns $x^2-y^2=z^3+w^3$ ", Journal of Mathematics and Informatics, vol-10, (2017), 113-117.
11. A.Victoria Maharani and D.Maheswari, "On the non-homogeneous cubic equation with four unknowns $(x-y)^2=2z^3+w^2$ ", Journal of Mathematics and Informatics, vol-10, (2017), 119-124.
12. D. Maheshwari, S. Dharuna, "**Observations on the Hyperbola**", International Journal of Emerging Technologies in Engineering Research (IJETER), Volume 6, Issue 5, May (2018), 7-12.
13. D.Maheswari and R.Suganya, "Observations on the Pell equation $y^2=11x^2+5$ ", JNCET, 8(4), Apr(2018), 1-6.
14. S.Vidhyalakshmi, E.Premalatha and D.Maheswari, "On the non homogeneous binary quadratic equation $4x^2-3y^2=37$ ", Bulletin of Pure and Applies Sciences, vol 38E(1), Jan-Jun(2019), 324-328.
15. D.Maheswari and K.Kaviyarasi, "On the negative pell equation $y^2=102x^2-18$ ", Global Scientific Journals, 7(4), April (2019), 521-528.
16. D.Maheswari and J.Keerthana, "On the positive pell equation $y^2=34x^2+18$ ", Global Scientific Journals, 7(4), April (2019), 512-520.
17. D.Maheswari and A.Mercy Carolin, "On the negative pell equation $y^2=30x^2-45$ ", IJMTT, vol-65, Issue 5(1), May (2019), 32-40.

BOOK PUBLISHED:

1. Dr.M.A.Gopalan, J.Shanthi, D.Maheswari and T.Geetha, **Biquadratic Diophantine equation with integer solution**, ky- publishing,9789387769236.