

TEACHER PROFILE

Name of the faculty : Dr. Y. DASARADHUDU
Date of Birth : 01.06.1964
Designation : Associate Professor in Physics
Date of Joining in TTD : 03-09-1991
Qualifications : M. Sc, M.Phil., Ph.D., PG Dip in V.Tech
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EDUCATIONAL QUALIFICATIONS

Ph. D.	:	PHYSICS, S.V. University, Tirupati, 1994. Thesis entitled "Studies in thin films: Electrical Characterization of Pure and Iodine doped Polybutylene Terephthalate Polymer (PBT) Films".
M. Phil	:	PHYSICS, First Class (71.8%), S.V. University, Tirupati, 1990. Dissertation entitled "Studies in Polymer Thin Films".
M. Sc.	:	PHYSICS with specialization of Electronics and Chemical Physic, First Class (63.8%), S.V. University, Tirupati, 1988.
B. Sc.	:	PHYSICS, Mathematics, Chemistry, First Class (71.3%), S.G.S. Arts College, Tirupati, 1985.
P.G.Dip.in V. Tech.	:	Vacuum Technology and its Applications, First Class (67.3%), S.V. University, Tirupati, 1986.
Technical Training	:	Two Months Training in the operations of High Vacuum and Ultra High Vacuum units and Mass Spectrometers in technical Physics & Prototype Engineering Division, Babha Atomic Research Centre, Trombay, Bombay.
Project Work	:	Assembly and operation of Ultra High Vacuum System.
Field of Interest	:	Polymer Thin Films (Conducting Polymers / Polymer Electrolytes)
Research Guide	:	S.V. University recognized as a Research Guide from 01.011.2014 Ref.No. 042097C-1(6)
Deputy Warden	:	28 th July 2017-31 October 2020.

TEACHING EXPERIENCE

College	Position held	From	To	Total
S.V. Arts College, Tirupati	Part Time Lecturer in Physics	03-09-1991	30-06-1995	5 years
S.V. Arts College, Tirupati	Time scale Lecturer in Physics	01-07-1995	03-06- 2004	9 years
S.V. Arts College, Tirupati	Associate Professor	04-06-2004	Till date	-

REFRESHER COURSE / ORIENTATION PROGRAMME ATTENDED

S. No.	Programme	University	From	To	Total
1	Orientation Programme	S.V. University (ASC), Tirupati	02-08-2004	28-08-2004	4 weeks
2	Refresher Course in Information Technology	S.V. University (ASC), Tirupati	20.11.2006	09.12.2006	3 weeks
3	School on RADAR and LIDAR	Dept. of Physics, S.V. University, Tirupati	07-03-2007	11-03-2007	5 days
4	Training cum Refresher Course in Physics	Dept. of Physics, S.V. University, Tirupati	04-01-2010	09-01-2010	1 week
5	Refresher Course in Disaster Management	S.V. University (ASC), Tirupati	03-06-2013	22-06-2013	3 weeks
6	Refresher Course in Multiculturalism	S.V. University (ASC), Tirupati	29.05.2017	17.06.2017	3 weeks

LIST OF PUBLICATIONS

1. N.Narasim Das. Y.Dasaradhudu and V.V.R.Narasimha Rao: Dielectric Properties of poly (vinyl formal) films. Acta Polymerica. 43 (1992) 177.

2. N. Narasing Das, Y. Dasaradhudu and V.V.R. Narasimha Rao: Pyroelectricity in poly (vinyl formal) films . Polimery (Poland) 38(2) (1993) 71.
3. Y. Dasaradhudu and V.V.R. Narasimha Rao: DC Electrical Conduction in solution grown Polybutylene Terephthalate (PBT) films. Polymers 94 Baroda (India) Vol.2 (1994) p-845.
4. Y. Dasaradhudu and V.V.R. Narasimha Rao: Frequency Dependent Conduction in Polybutylene Terephthalate films. Polimery (Poland) 39 (9) (1994) 543.
5. K. Lakshmi Narayana, Y. Dasaradhudu and V.V.R. Narasimha Rao: Transient Currents in Polyvinyl Alcohol – Polyvinyl Pyrrolidone Polymer blend Films. Polymer International 35 (1994) 315.
6. Y. Dasaradhudu and V.V.R. Narasimha Rao: DC Electrical Conduction in pure and Iodine doped Polybutylene Terephthalate Films. Polymer International 35 (1994) 329.
7. K. Lakshmi Narayana, Y. Dasaradhudu and V.V.R. Narasimha Rao: Charging and Discharging currents in Polyvinyl Alcohol (PVA) polymer films. Materials Letters 21 (1994) 425.
8. Y. Dasaradhudu and V.V.R. Narasimha Rao: Spontaneous Current Emission In Solution – Grown pure and iodine doped Polybutylene Terephthalate Films. Polimery (Poland) 39 (1112).
9. Y. Dasaradhudu and V.V.R. Narasimha Rao: Thermally stimulated Depolarization Currents in Polybutylene Terephthalate Films. Polimery (Poland) 40(1) (1995) 45.
10. K. Lakshmi Narayana, Y. Dasaradhudu and V.V.R. Narasimha Rao: Charging and Discharging currents in Polyvinyl Pyrrolidone (PVP) polymer films. Materials Chemistry and Physics, 42 (1995) 206-209.
11. K. Vijaya Kumar, Y. Dasaradhudu and Ch. Venkataramana Reddy : Dielectric Studies on PBT Polymer Thin Films. Acta Ciencia indica. Vol – 31 Pg. No.2. 195 (2005)
12. K. Lakshmi Narayana, Y. Dasaradhudu and V.V.R. Narasimha Rao: Dielectric Properties of Polyvinyl Pyrrolidone (PVP) - Polyvinyl Alcohol (PVA) Polymer blend films. International Symposium on Macromolecules VSSC Trivandrum January 11-13; 1995. Vol-1.

13. Y.Dasaradhudu. K.Lakshmi Narayana and V.V.R.Narasimha Rao: Transient Currents in Polybutylene Terephthalate (PBT) Polymer films. International Symposium on Macromolecules VSSC Trivandrum January 11-13; 1995. Vol-1.
14. M.C.Rao, Y.Dasaradhudu et al Luminescent and gas sensing properties of SnO₂ thin films grown by pulsed laser deposition. *Derpharmachemica*, 2016,8(4):243-250.
15. Y.Dasaradhudu, M.Seshu Kumar et al Impact of Agrometrological parameters over Bihar and Jarkhand regions for the year 2018. *Journal of critical rewires* vol.6 issue5, 2019, P-296-300.
16. Dasaradhudu, Y., and M. Arunachalam Srinivasan. "Synthesis and characterization of silver nano particles using co-precipitation method." *Materials Today: Proceedings* 33 (2020): 720-723.
17. R.Naveen, Y.Dasaradhudu et al Chare-Discharge studies of TiO₂ doped PVP base nanocomposite films, *AIP Conference proceedings* 2220,080062 (2020).
18. R.Naveen, Y.Dasaradhudu et al Electrical studies on PVP:CH₃COOK-TiO₂ Polymer films, *AIP Conference proceedings* 2220,080065(2020).
19. Kalyan, S. S. S., N. Umakanth, M. Seshu Kumar, Y. Dasaradhudu, and M. C. Rao. "Study of air pollutants on few stations over Karnataka state, India." In *AIP Conference Proceedings*, vol. 2352, no. 1, p. 030006. AIP Publishing LLC, 2021.

PAPERS PRESENTED IN CONFERENCES / SYMPOSIA

1. Y.Dasaradhudu and V.V.R.Narasimha Rao : Depolarization characteristics of Polybutylene Terephthalate (PBT) Films. *Solid State Physics Symposium (India)* 35 C (1992) 431.
2. Y.Dasaradhudu: Electrical Characterization of pure and Iodine doped polybutylene Terephthalate Polymer Films. *Solid State Physics Symposium (India)* 36 C (1993) 36.
3. Y.Dasaradhudu and V.V.R.Narasimha Rao : Transient current in Polybutylene Terephthalate (PBT) Polymer Films. *Solid State Physics Symposium (India)* 35 C (1993) 315.
4. Y.Dasaradhudu and V.V.R.Narasimha Rao : Pyroelectric behaviour of solution grown Polybutylene Terephthalate (PBT) Films. *Indian Science Congress, Jaipur, January 1994.*

5. G.S.K.V Prasad, Y.Dasaradhudu and V.V.R.Narasimha Rao : Frequency dependent conduction in polyurethane films. Indian Science Congress, Jaipur, January 1994.
6. Y.Dasaradhudu and V.V.R.Narasimha Rao : Low frequency dielectric relaxation in Polybutylene Terephthalate (PBT) Films. International Symposium on Macromolecules University of Akron (USA) 11th -15th July 1994.
7. Y.Dasaradhudu and V.V.R.Narasimha Rao : Anomalous pyroelectric behaviour in Polybutylene Terephthalate (PBT) Films. International Symposium on Macromolecules University of Akron (USA) 11th -15th July 1994.
8. Y.Dasaradhudu and V.V.R.Narasimha Rao : Charge Transfer Complexes Effect on Optical Absorption of Polybutylene Terephthalate (PBT) Polymer Films. Seminar on Eco-Friendly Organic Coatings and polymers IICT Hyderabad 15th - 16th July 1994.
9. B.A. Saradha, Y.Dasaradhudu and V.V.R.Narasimha Rao : Ionic Conduction in Nylon 6,6 films. Seminar on Eco-Friendly Organic Coatings and polymers IICT Hyderabad 15th -16th July 1994.
10. K.Lakshmi Narayana, Y.Dasaradhudu and V.V.R.Narasimha Rao : Transient Currents in Polyvinyl Alcohol (PVA) Polymer Films. Seminar on Eco-Friendly Organic Coatings and polymers IICT Hyderabad 15th -16th July 1994.
11. K.Lakshmi Narayana, Y.Dasaradhudu and V.V.R.Narasimha Rao : Transient Currents in Polyvinyl Pyrrolidone (PVP) Polymer Films. National Seminar on Ferroelectrics and Dielectrics, Nagpur University 23rd -25th , October 1994.
12. Y.Dasaradhudu, K.Lakshmi Narayana, and V.V.R.Narasimha Rao : Dielectric properties of solution grown polybutylene Terephthalate (PBT) Polymer Films. National Seminar on Ferroelectrics and Dielectrics, Nagpur University 23rd -25th October, 1994.
13. K.Vijayakumar, Y.Dasaradhudu and V.V.R.Narasimha Rao: DC Electrical conduction in Polyvinyl formal – polyvinyl butyral polymer blend Films. National Seminar on Ferroelectrics and Dielectrics, Nagpur University 23rd -25th October, 1994.

14. Y.Dasaradhudu, K.Lakshmi Narayana, and V.V.R.Narasimha Rao : Low Frequency Dielectric relaxation Spectra in PBT Polymer Films using transient Current Techniques. National Conference on Thin Film Processing and Applications, S.V.Univeristy, Tirupati, 23rd -25th, Jan' 1995.
15. Y.Dasaradhulu, National Seminar on Role of Chemistry in Drug Development Strategies, 13th -14th August, 2005, S.V.Arts Colelge, Trirupati.
16. Y.Dasaradhudu, "Charge transfer complexes effect on optical absorption of PBT Polymer films. Emerging Materials, device and Technologies, 24th -25th, February 2009. S.V. University, Tirupati.
17. Y. Dasaradhudu, 2nd A.P. Science Congress, 14th -16th November, 2009, S. V . University, Tirupati.
18. Y.Dasaradhudu, National Conference on materials for energy storage and conversion, 23-24 January 2010, S.V. University, Tirupati.
19. Y.Dasaradhudu, "Pyroelectric Characterization of PBT Polymer Films", National Seminar on Current Trends and Development in Organic Synthesis 9th December 2011, S.V. Arts College, Tirupati.
20. Y.Dasaradhudu, 7th National Conference, on Thermodynamics and Chemical, Biological and Environmental Process, 10th -12th December 2012, Dept. of Chemistry, S.V. University, Tirupati.
21. Y.Dasaradhudu, National Seminar on Current Research Trends and Developments in Chemical Sciences 9th -10th March 2013, Dept. of Chemistry, PVKN Degree College, Chittoor.
22. Y.Dasaradhudu, National Workshop on advanced materials characterization techniques 23rd March 2013, Dept. of Physics, S.V. University, Tirupati.
23. Y.Dasaradhudu, DC Electrical and Dielectric Properties of PBT Polymer Films. International Seminar on Emerging Trends in Synthetic Organic Medicinal Chemistry, 13th -15th November 2013, Vikrama Simhapuri University, Nellore A.P.
24. Y.Dasaradhudu, national Seminar on Recent Trends in Organic Chemistry, 19th December 2013, Dept., of Chemistry, S.V. Arts College, Tirupati.
25. Y.Dasaradhudu , National seminar on Advanced functional materials 23rd -24th March 2016 Department of Physics S.V.University Tirupati.

26. Y.Dasaradhudu , Indian Science Congress Jan 3rd-7th, 2017, S.V.University, Tirupati. .
27. Y.Dasaradhudu, International Seminar RESE-2019 Dec 12th -14th,Dr. Mahalingam, College of Engg. & Tech. Pollachi-TN
28. Y Dasaradhudu , Effect of humidity sensitivity on solid polymer electrolytes, National Conference on Advances in Applied Sciences and Mathematics (NCASM-2020) September 24th -25th 2020 , Chitkara University, Punjab.

29. Y Dasaradhudu , Analysis of rainfall activity over Allahabad Region during 2019, National Conference on Advances in Applied Sciences and Mathematics (NCASM-2020) September 24th -25th 2020 , Chitkara University, Punjab.