

CURRICULUM-VITAE



Prof. (Dr.) Asheshwar Yadav
Director, VVIT Purnea

Name: Prof. Ashseshwar Yadav

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Date of Birth: 02.07.1945

Personal: Married, Indian Citizan

Perticulars of Qualification:

Examination of degrees	University or other examining body with names of Institutiion	Div.	Subject taken	Year
B.S.S.Exam (1960)	B.S.S.Examination Board Patna	I	Hindi, English, SNK, S.S, Math, Physics, Chem.	1960
Pre-University Science	St. Xavier's, College, Ranchi, Ranchi University	I	Hindi, English, Physics, Chem., Math	1961
B.Sc I Exam	St. Xavier's, College, Ranchi, University	I	Hindi, English, Physics, Chem., Math	1962

B.Sc (Physics-Honors)	Ranchi College, Ranchi University	I	Physics (Honors), Chem., Math	1964
M.Sc (Physics)	Ranchi University	I	X-rays (Special Paper)	1966
Ph.D	Patna University	***	Solid State Physics	1983

Particulars of work experience:

Name of Post	Duration		Name of Institution
	From	To	
Lecturer in Physics	Aug'66	Oct'67	St. Columbus College
Lecturer in Physics	23 rd Nov'67	4 th Dec'83	Science college, Patna Univ. Patna
Reader in Physics	5 th Dec'83	31 st Jan'85	Science college, Patna Univ. Patna
Professor of Physics	1 st Feb'85	2005	Science college, Patna Univ. Patna
Vice-Chancellor	July 2004	August 1,2007	B.R. Ambedkar Bihar University, Muzzaffarpur
Chief Co-ordinator School of Pure Science (Post Graduate Courses)	November 2007	May, 2009	Nalanda Open University, Patna
Director	June, 2009	Present	Vidya Vihar Institute of Technology, Purnea, Bihar

List of Research Publication

1. M.P. Gupta & **A.Yadav**, The crystal structure of bis-(Hydrogen Maleato) Hexaaqueo Magnesium (II), $Mg(C_4H_3O_4)_2 \cdot 6H_2O$; 11th National Conference on Crystallography organized by Indian Association for the cultivation of Science, Calcutta-700032, 1978.
2. D.P. Verma, **A.Yadav** and H.C. Verma, Lattice sum of electric field gradients in tetragonal crystals, *Pramana* 21, p357(1983).
3. Anil Thakur & **A.Yadav**, The crystal structure of bis-(Hydrogen Maleato) Hexaaqueo Magnesium (II), $Mg(C_4H_3O_4)_2 \cdot 6H_2O$; *Acta Ciencia Indica*, 1, p17, (1993).
4. Anil Thakur and **A. Yadav**, The crystal structure of monofumarato Hexaaqueo Magnesium (II), $Mg(C_4H_3O_4)_2 \cdot 6H_2O$; *Acta Ciencia Indica*, 1, 19, (1993).
5. Anil Thakur and **A. Yadav**, The crystal structure of Calcium Succinate Trihydrate, $CaC_4H_4O_4 \cdot 3H_2O$; *Acta Ciencia Indica*, 2, 47, (1993).
6. Sanjay Kumar, **A. Yadav** and T.Kojima; Development of GAMS Computer Model for Renewable Energy Mix Optimization to Meet Rural Needs in Arid Areas, *Journal of Arid Land Studies*, 16S, pp283-286 (2006).
7. Sanjay Kumar, **A. Yadav**, S. Kato and T. Kojima; Dynamic Modelling of Renewable Energy Base for Rural Development in an Economy-Sensitive Remote Area, *World Renewable Energy Congress IX, Conference Proceedings*, August 19-25, 2006, Florence, Italy.
8. Sanjay Kumar, **A. Yadav**, S. Kato and T. Kojima; Design And Development of Solar System to Produce scented Water and Perfumes From Flowers, 12th International Energy Conference, *Energex 2007, Conference Proceedings* November 27-30, 2007, Singapore.
9. S. Sinha, S. Kumar, K. Sato, S. Kato, T. Kojima and **A. Yadav**; Effect of Heat Island Formation in Cities and Its Implication on Energy Use; *Renewable Energy for Sustainable Development in the Asia Pacific Region 2007, World Renewable Energy Network, Environmental Technology Centre, Murdoch University, February 4-8, 2007* Murdoch, Western Australia.
10. Sanjay Kumar and **A. Yadav**; GAMS Based Mix Renewable Energy Optimization strategy Modelling to Meet Rural Needs in Arid Areas; *Renewable Energy Energy for Sustainable Development in the Asia Pacific Region 2007, World Renewable Energy Network, Environment Technology Centre, Murdoch University, February 4-8, 2007* Murdoch, Western Australia.
11. **A. Yadav** and Sanjay Kumar; Salt and Water Movement in Soil for Plantation, *Computer Modelling by GMS (USEPA), 2nd Bihar Vigyan Congress, 2007, February 26-28, 2007, Patna, Bihar, India.*
12. S. Chaudhary, Sanjay Kumar, S. Sinha and **A. Yadav**; Temperature Stabilization and Value Addition in Solar Drying of Arid Area Horticulture Products with PCM, accepted for presentation at *Desert Technology- IX Conference, 12-16 November, 2008, Tunisia.*
13. **A. Yadav** et. al.: Nanocrytalline Nickel-Zinc Ferrite materials and their applications, *Indian Journal of Pure and Applied Physics*, Accepted and in press.
14. **A. Yadav** et. al.: Structural and Magnetic Properties of Cobalt Ferrite Nanoparticles synthesized using Citrate precursor method, *Proceeding of National Seminar on Nano Science and Nanotechnologies, September 2008, Patna, Bihar.*

15. Rakesh Kumar Singh, **A.Yadav**, A. Narayan, Girija Gupta, Amitabh Ghosh, Structural, Magnetic and Photoluminescent behaviour of Cobalt Ferrite Nanoparticles prepared using chemical method, Proceeding of National Seminar on Applications of Nanoscience and Nanotechnology, Patna Women's College(2008)p. 22-26
16. Rakesh Kumar Singh, **A. Yadav**, R.S.Yadav, A.C. Pandey, Structural, Magnetic and Photoluminescent Properties of Strontium Ferrite nanoparticles synthesized using Citrate precursor method, Manthan, International Journal, Vol.8(2008),p.22-27,
17. **A. Yadav** et. al.: Structural, Magnetic and Photoluminescent Properties of Strontium Ferrite Nanoparticles synthesized using Citrate precursor method, Manthan-International Journal, Vol. 8, 2009.
18. Rakesh Kumar Singh, **A. Yadav**, A.C. Pandey, Jyoti Shah, R. K. Kotnala, Structural, Magnetic and Photoluminescent Properties of Barium Hexa Ferrite nanoparticles synthesized using Citrate precursor method, Proceeding, Univ. of Lucknow, (2009), p.21-24.
19. Rakesh Kr Singh, C. Upadhyay, Samar Lyeak, **A. Yadav**, Cations distributions in $Ni_{0.5}Zn_{0.5}Fe_2O_4$ Nanomaterials, Int. J. Sci. Eng. and Tech. (I-JEST), Special issue Nano iron oxides and composites – recent advances in Scientific and Technological aspects, Vol.2, No.8. (2010), p. 104-109.
20. Rakesh Kr Singh, **A. Yadav**, A. Narayan, Kamal Prasad, Structural and Magnetic Studies of $Ni_{0.5}M_{0.5}Fe_2O_4$ (M = Cu and Co) Nanoparticles on annealing temperature, Int. J.. Eng. Sci and Tech. (I-JEST), Special issue Nano iron oxides and composites – recent avances in Scientific and Technological aspects, Vol.2, No.8. (2010), p.73-79.
21. Rakesh Kumar Singh, **A.Yadav**, A.Narayan, Structural and Magnetic studies of Zn substituted Cobalt ferrite nanoparticles annealed at 450°C, Manthan, Int. Jour. Vol.11, (2010), p.31-35.
22. Rakesh Kumar Singh, **A.Yadav**, A.Narayan, Amarendra Kr Singh, L.Verma and R.K.Verma, Thermal, structural and magnetic studies on Chromite spinel , synthesized by citrate precursor method and annealed at temperature 450°C and 650°C, Int. J. Therm Anal Calorim- Springer, DOI 10.1007/s10973-011-1869-y (2011)
23. Rakesh Kumar Singh, **A. Yadav**, A. Narayan, Samar Lyeak, H. C. Verma, Structural, Magnetic and Mossbauer studies of Nanocrystalline Ni-Zn Ferrite, Synthesized using Citrate precursor method, Manthan, Int. J, Vol.12(2011)9-11.
24. Rakesh Kumar Singh, **A.Yadav**, A.Narayan, M.Chandra and R.K.Verma, Thermal, XRD and magnetization studies on $ZnAl_2O_4$ and $NiAl_2O_4$ spinels, synthesized by citrate precursor method and annealed at temperature 4500C and 650oC, Int.J. Thermal, Analysis& Calorimetry- Springer, DOI 10.1007/s10973-011-1860-7 (2011)

List of Symposia/Conferences Attended

1. 10th National Conference on crystallography organized by Physics Department, B.H.U., Varanasi (INDIA) (1979).
2. 11th National Conference on crystallography organized by Indian Association for the Cultivation of Science, Calcutta – 700 032 (INDIA) (1980).

3. International workshop on Hyperfine Interaction, 1984 (KANPUR), organized by I.I.T., KANPUR.
4. Workshop on Matter and Energy, (Patna) organized by Bhabha Atomic Research Centre, Bombay, 1992.
5. Desert Technology – VIII Conference, November 27 – December 2, 2005, Nasu, Japan.
6. 2nd Bihar Vigyan Congress, 2007, February 26-28, 2007 Patna.
7. 12th International Energy Conference, Energex 2007, 27-30 November, 2007 Singapore.
8. Bihar Science Conference, 2008, May 7-9, 2008, Patna, Bihar, India.
9. Desert Technology- IX Conference, November 12-16, 2008, Tunisia.
10. Bihar Science Conference January 30- February 1, 2009, Patna, Bihar.
11. Statistical Physics, **M.Sc course**, Part 1, Nalanda Open University, Patna, September - 2008, pp. 1-148.
12. **Physics for Nanomaterials, M.Sc course**, Part 2, Nalanda Open University, Patna, December-2008, pp.1-264.

Authorship

1. A Text Book of Light (B.Sc level) published by Bharti Bhawan, Patna.
2. A Text Book of General Science, Universal Book, House patna-4.
3. Numerical examples in Physics, Good Books, Patna-4.
4. Objective Numerical Examples in Physics, R.P. Srivastava & sons, Kazipur, Patna
5. Quantum Mechanics for M.Sc., Nalanda Open University, Patna.
6. Statistical Mechanics for M.Sc., Nalanda Open University, Patna.
7. Condensed Matter Physics for M.Sc., Nalanda Open University, Patna.
8. Advanced Condensed Matter Physics for M.Sc., Nalanda Open University, Patna.
9. Nanotechnology for M.Sc., Nalanda Open University, Patna.