

RESUME

P.HARIHARAN

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Career Objective

Looking for a suitable position as Assistant professor for Physics department or job placement officer, with opportunities to learn and contribute to organizational growth, and provide clients with reliable and satisfactory services for finding ideal job for them.

Career Synopsis

An experienced in as assistant professor in Physics department and Human Resource professional, with 8 years of experience in teaching, recruitment and training, I have worked with renowned and Fortune 300 companies and handled end to end expects of clients contract engagements, for providing them continuous manpower support through recruitment outsourcing. With leadership qualities imbibed by experience, I have managed teams of 10-15 recruiters, and handled responsibilities such as recruitment outsourcing, client contract negotiations, employment contract agreements with candidates, hiring and on-boarding candidates, developing training plans, performance appraisal, and many more on day to day basis.

Academic qualification:

Specialization: Nanotechnology

Ph.D (Nanotechnology) – 2015 from Anna University, Chennai, IIT Madras

M.Tech (Nanotechnology) - 2009 from Mepco Schlenk Engineering College, Sivakasi

M.Sc (Physics) - 2007 from Government Arts and Science College, Ooty

B.Sc (Physics) - 2002 from Government Arts and Science College, Ooty

Others:

Sabbatical visit:

1. Nanyang University, Singapore (June to August 2011)

Courses:

1. Proficiency course in Genetic Engineering from Indian Institute of Science (IISc) Bangalore.
2. Advanced computer course for professionals from CSC, Coimbatore.
3. General Course on Intellectual Property-DL 101 from World Intellectual Property Organisation (WIPO)

Academic Experience

1. At present working as Assistant Professor in Department of Physics, Rathinam Technical Campus.
2. TRA in Department of Physics / Nanotechnology, Anna University **2011-2015**, Coimbatore
3. Assistant Professor, Department of Physics, Karunya University, Coimbatore from **2009-2011**.

Professional Experience

Recruitment Officer (In-House) (July, 2009 - till date)

Pink Consultancy Service Pvt. Ltd. Ooty

Duties and Responsibilities

- Worked for different designations and handled recruitment for multiple branches
- Responsible for managing the entire recruitment process, end to end
- Coordinated with department heads for developing job description for advertising open vacancies
- Developed guidelines for recruitment team for short listing job applications
- Assisted HR Manager in developing training plan for recruitment executives
- Prepared employment agreements for new employees
- Worked with HR Manager in developing staffing plan for all departments (Man power planning)
- Responsible for developing induction plan for newly hired employees
- Coordinated with external HR consultancies and placement agencies for screening of candidates
- Conducted performance evaluation of recruitment team
- Assisted HR manager in drafting terms and conditions for employment contracts
- Responsible for developing incentive plans for recruitment executives
- Developed training plans for performance enhancement

Recruiter (October, 2009 - July, 2014)

Anna University & Karunya University, Coimbatore

Duties and Responsibilities

- Invited job applications and shortlist them as per guidelines given
- Responsible for preliminary screening of resumes and shortlisting candidates for interview with clients

- Scheduled interview for candidates with clients
- Negotiated with candidates for remuneration package
- Maintained record of candidates interviewed and shortlisted, for follow up with clients, to claim payments
- Acquired information from candidates for developing database
- Represented organization in job-fairs and other promotional activities
- Coordinated with other team members for closing open positions quickly
- Ensured continuous communication with candidates and clients for sharing information related to interview schedule and final confirmation of selection

Professional Skills

- High-level languages C, C++, Visual Basic (VB), and well experienced in Corel draw and Adobe Photoshop and etc.
- MS office, Internet access, MATLAB and knowledge about hardware & operating systems installation in Windows 95, 98, XP & 2007.
- Well experienced with Material Studio software, which is used to change the bond strength, molecules and structure of the cells in Biotechnology and etc.
- Computer awareness (MS Office expertise)
- Comprehensive knowledge of HR operations and labor laws
- Payroll management (Tally 9.0)
- Expertise over Recruitment process (End to end)
- Interpersonal skills
- Leadership skills
- Communication and negotiation skills

Awards/Prizes/Fellowships/Grants Received

1. DST- Young Scientist award 2015.
2. Best Presentation in International Conference of Nanotechnology, Theme: “Recent Trends in Nanotechnology” January 2007, organized by IISC Bangalore
3. Best Presentation in National conference, Theme: “Normalization and base line correction in nanomaterials – using MATLAB software”- National conference conducted by Karunya University, Coimbatore.
4. Best Poster presentation in International conference, Theme: “Preparation and Characterization of Annealed V₂O₅ Thin Films Using Rf- Magnetron Sputtering- ICONN’09- PSG TECHNOLOGY, Coimbatore

5. Best Poster presentation in International conference, Theme: “Synthesis and characterization of Mn doped **zns** quantum dots for delivery and imaging”- National Conference, Bharathiar university.

Publications: 43 International Journals

Presentations:

Total: 13 National: 4 International: 39

Research Projects undertaken: 2

M.Tech: 10 Projects.

Academic Contributions:

1. Chairperson to judge Paper presentation Session in the International Conference on Recent trends of Imaging, held at Eshwar engineering college Coimbatore in December 2012.
2. Chairperson to judge Paper presentation Session in the National symposium, held at Karunya University Coimbatore in 2010.
3. Organizing Member of Biotechnology Workshop in Anna University Coimbatore in 2011
4. Organizing Member of International conference on Nanotechnology in Anna University Coimbatore in 2012.
5. Organized a number of seminars and guest lectures in various aspects of Nanotechnology as a Member and as Secretary.

Guest lectures delivered:

1. International conference in “Recent trends in Imaging” in Eshwar engineering college, Coimbatore.
2. International Conference in Bharathiar University, Theme: “ Nanoparticles in Drug delivery and its application” in 2012
3. National level Tech meet in Government arts and science college, Ooty in 2012
4. Guest lecture in Mepco schlenk engineering college, Sivakasi in January 2013.
5. Guest lecture in Faculty development program in VIT in March 2013.

Papers published in International and National scientific Journals:

International Journals:

1. Identification of microstructural zones and thermal cycles in a weldment of modified 9Cr-1Mo steel P Hariharan, VT Paul, S Saroja, A Rajadurai, M Vijayalakshmi Journal of materials science 42 (14), 5700-5713.
2. Machining performance of cryogenically treated electrodes in microelectric discharge machining: a comparative experimental study P Hariharan, JM Jafferson, Materials and Manufacturing Processes 28 (4), 397-402.

3. Modeling and analysis of micro-WEDM process of titanium alloy (Ti-6Al-4V) using response surface approach P Hariharan, P Sivaprakasam, S Gowri Engineering Science and Technology, an International Journal 17 (4), 227-235.
4. Effects of ultrasonic vibration and magnetic field in micro-EDM milling of nonmagnetic material P Hariharan, JM Jafferson, J Ram Kumar Materials and Manufacturing Processes 29 (3), 357-363.
5. Optimization of micro-WEDM process of aluminum matrix composite (A413-B4C): a response surface approach P Hariharan, P Sivaprakasam, S Gowri. Materials and Manufacturing Processes 28 (12), 1340-1347
6. Experimental investigation on the electrode specific performance in micro-EDM of die-steel A Kadirvel, P Hariharan, S Gowri. Materials and Manufacturing Processes 28 (4), 390-396
7. Investigation of the quality of microholes machined by μ EDM using image processing JM Jafferson, P Hariharan. Materials and Manufacturing Processes 28 (12), 1356-1360
8. Abrasive Wear Modes in Ball-Cratering Test Conducted on Fe 73 Si 15 Ni 10 Cr 2 Alloy Deposited Specimen. MS Priyan, P Hariharan. Tribology in Industry 36 (1)
9. Tribology in Industry. MS Priyan, P Hariharan, A Azad, KS Kumar
10. A review on various research trends in micro-EDM. A Kadirvel, P Hariharan, S Gowri. International Journal of Mechatronics and Manufacturing Systems 5 (5-6), 361-384
11. Wear and Corrosion Resistance of Fe Based Coatings by HVOF Sprayed on Gray Cast-Iron for Automotive Application. MS Priyan, P Hariharan. Tribology in Industry 36 (4)
12. Experimental determination of machining responses in machining Austempered Ductile Iron (ADI) KM Kumar, P Hariharan. Procedia Engineering 64, 1495-1504
13. Drilling of carbon fibre reinforced plastic (CFRP) composites—a review IPT Rajakumar, P Hariharan, L Vijayaraghavan. International Journal of Materials and Product Technology 43 (1-4), 43-67
14. Cross-layered implementation of multilayered coded video streaming. D Kumar, SA Srinivas, P Hariharan, RA Kumar Recent Trends in Information Technology (ICRTIT), 2013 International conference.
15. Tool materials influence on surface roughness and oversize in machining glass fiber reinforced polypropylene (GFR-PP) composites M Mudhukrishnan, P Hariharan, K Palanikumar, B Latha. Materials and Manufacturing Processes, 1-10.
16. Examination of Microstructure and Mechanical Properties of Austempered Ductile Iron (ADI) As Per Austempering Temperature and Time. KM Kumar, P Hariharan, P Venkateshwaran, S Tamilarasan. Transactions of the Indian Institute of Metals 68 (1), 67-71.
17. A study on monitoring the drilling of polymeric nanocomposite laminates using acoustic emission. IPT Rajakumar, P Hariharan, I Srikanth. Journal of Composite Materials 47 (14), 1773-1784

18. Micro abrasive wear resistance of FeSiNiCr alloy coating deposited by HVOF coating. MS Priyan, P Hariharan. *International Journal of Surface Science and Engineering* 7 (3), 250-268
19. Modeling the Machining Parameters of Micro Wire Electrical Discharge Machining of AL 2024 T351 P Sivaprakasam, P Hariharan. *Applied Mechanics and Materials* 367, 466-470.
20. The Study on Tribology and Surface Interface Characterization of Fe based Alloy Coating Deposited by HVOF Method MS Priyan, P Hariharan. *Procedia Engineering* 38, 3741-3756.
21. Effect of cryogenic treatment on dimensional stability of ball bearing P Hariharan, S Mohan, A Rajadurai, D Mohanlal, S Renganarayanan. *Proceedings of the International Conference on Mechanical Engineering*
22. Effect of physical vapor deposited bilayer (AlCrN+ TiAlN) coating on high-speed steel single point cutting tool. RRRM Vannan, TV Moorthy, P Hariharan, P Prabhu. *Materials and Manufacturing Processes*, 1-4
23. Effect of non-electrical parameters in μ ED milling: an experimental investigation JM Jafferson, P Hariharan, JR Kumar. *The International Journal of Advanced Manufacturing Technology* 85 (9-12) .
24. Investigation on HSS single point cutting tool manufactured using physical vapor deposition coating process. R Malarvannan, TV Moorthy, P Hariharan, P Prabhu NISCAIR-CSIR, India
25. Effect of multi-walled carbon nanotubes on surface roughness and material removal rate in drilling epdxy/glass fabric composite. s ponnuvel, tv moorthy, P. Hariharan *Journal of the balkan tribological association* 22 (2), 1363-1375
26. Wet Sliding Wear Optimization of Gray Cast Iron using Taguchi Technique S Ananth, JU Prakash, TV Moorthy, P Hariharan, R Magendran, *International Journal of Vehicle Structures & Systems* 7 (4), 154.
27. Investigation on the corrosion behavior of physical vapor deposition coated high speed steel RRR Malarvannan, TV Moorthy, S Sathish, P Hariharan. *Advances in Mechanical Engineering* 7 (8), 1687814015599524.
28. Variable magnetic field intensity assisted micro electric discharge drilling for AISI 304 & AISI 316L stainless steel. K Prasanna, M Karupppiah, K Hariharan, P Hariharan *History* 37 (167), 21-27
29. Characterization of Glass Fibre/Carbon Fibre Hybrid Thermoplastics Composite Laminates Fabricated by Film Stacking Method. M Mudhukrishnan, P Hariharan, SK Malhotra. *Applied Mechanics and Materials* 787, 518-522
30. Enhancement of wear properties on High speed steel tool using PVD coating Technique. R Malarvannan, TV Moorthy, P Hariharan, S Ravi. *Applied Mechanics and Materials* 812, 107-111
31. *Journal of materials science* 42 (14), 5700-5713 Normalization of Base line Correction and Noise Elimination in XRD Spectra of Various Nanomaterials Using Matlab

- “International Journal of Nanoscience and Nanotechnology” ISSN 0974-3081 Volume 1, Number 1 (2010), pp. 29—35.
32. Synthesis and characterization of Mn doped CdS quantum dots and its application. Scholarsjournal Issn 14_17 (2012).
 33. “Synthesis and characterization of Mn doped ZnS quantum dots for drug delivery and Imaging applications”- Energy & Eco- Friendly materials, Advance Research series ISBN 978-935-059-047-8; 304-09.
 34. “Synthesis and characterization of Mn doped ZnS quantum dots for drug delivery and Imaging applications” - Published in Conference proceedings of ICAM- 2011.
 35. “Synthesis and characterization of Quantum dots” - Published in Conference proceedings of GW-BIMC.
 36. “Synthesis and characterization of Mn doped CdSe quantum dots for drug delivery and applications” - Under Review in Springer journal.
 37. Normalization of Base line Correction and Noise Elimination in XRD Spectra of Various Nanomaterials Using Matlab —International Journal of Nanoscience and Nanotechnology ISSN 0974-3081 Volume 1, Number 1 (2010), pp. 29—35.
 38. Synthesis and characterization of Mn doped ZnS quantum dots for drug delivery and Imaging applications- Energy & Eco- Friendly materials, Advance Research series ISBN 978- 935-059-047-8; 304-09.
 39. Wear and Corrosion Resistance of Fe Based Coatings by HVOF Sprayed on Gray Cast-Iron for Automotive Application. Tribology in Industry.Vol.36, No.4 (2014) 394-405.
 40. Abrasive Wear Modes in Ball-Cratering Test Conducted on Fe73Si15 Ni10Cr2 Alloy Deposited Specimen. Tribology in Industry.Vol.36, No.1 (2014) 97-206.
 41. Gentamicin Induced Hepatic Oxidative Stress and Its Amelioration using Andrographis Paniculata Extract in Rats- International Journal of Veterinary Science. P-ISSN: 2304-3075 E- ISSN: 2305-4360.
 42. Multifunctional Polymer Coated CdSe Quantum Dots Imaging and Drug Delivery Applications. Elixir Nanotechnology 89 (2015) 36880-36883.
 43. Multi walled carbon nanotube decorated with TiO₂ based Biosensors for Imaging. Elixir Nanotechnology 89 (2015) 36884-36886

Presentations in Conferences:

International & National Conferences

1. Participated in One day national workshop in nanotechnology, Mepco Schlenk Engg College, Sivakasi. 29th August 2007.
2. Participated in International conference on computational intelligence on multimedia application in Mepco schlenk Engg College, Sivakasi in 13-15th, December 2007.

3. "Normalization and Baseline correction of XRD spectrum" Accepted for oral presentation in Karunya University, Coimbatore. 17, 18 October 2008.
4. "Nanomaterials in dust explosions-vent designing"- presented in international conference conducted my TEAMTECH-07.
5. Participated and presented a poster presentation in SARGA 2009 conducted by Anna University, 22-23 April 2009.
6. Preparation and Characterization of Annealed V₂O₅ Thin Films Using Rf- Magnetron Sputtering- ICONN'09- PSG Technology, Coimbatore.
7. "Methods to improve solubility and stability of curcumin" accepted for oral presentation in the international conference on advancement of Nanoscience and Nanotechnology ICOANN- 2010, March 1-3, 2010.
8. "Crystal structure of CdS and CdSe polymer Nanomaterials" Accepted for oral presentation in National seminar on crystal growth. XIV, VIT 10-12, 2010 MARCH.
9. "BCS Classification of Curcumin: Effect of Self Emulsifying Drug Delivery System on Solubility and Bioavailability," accepted for presentation in the International conference in Nanotechnology, CECRI July 12-16, 2011
10. Synthesis And Characterization of Mn Doped Zns Core Shell Quantum Dots For Drug Delivery Applications "Presented a research article in International conference in advanced materials-ICAM- 2011. Organized by PSG Tech on 12th December
11. Participated in the one day conference in "Phytoconstituents of Nanodrug Developments". Organized by Biotechnology Centre, Anna University of Technology, Coimbatore.
12. Participated in the Two day National workshop on "Applications of soft Computing Techniques for problems in Bioinformatics" held on 24th & 25th of March 2011, organized by Biotechnology Centre, Anna University of Technology, Coimbatore.
13. Presented a research article in International conference in GW- BIMS. Organized by Department of Zoology, Bharathiar University, Coimbatore on 24th August 2012.

SUMMARY OF SKILLS & EXPERIENCE

- Four years of experience as Assistant professor in Physics/ Nanotechnology department in Anna University, Coimbatore.
- Submitted a project proposal for DST Fast track Young scientist award in "Nanomedicine for anti cancer treatment and drug delivery"
- One year and eight months experience as a Lecturer in Department of Physics, Karunya University and handled M.Tech, M.Sc, B.Tech Classes.

- Handled Nanoelectronics, Drug Delivery and Characterization technique paper for M.Tech Nanotechnology in Karunya University
- Handled Quantum mechanics and Microprocessor paper for M.Sc., Physics Department in Karunya University.
- Class advisor for first year classes.
- Time table coordinator for first year B.Tech students and PG programs in Karunya University
- Admission Coordinator
- Coordinator for the aqua club in karunya univerisity
- Two national Publications and two papers are in review for the journal publications
- Attended seven international and national conferences and published papers in various areas.
- Organized national level students meet “Coginitive-09” and coordinator for the national level symposium “MINDKRAFT-10”
- Organized National workshop on Application of soft computing in Bioinformatics in Anna University of Technology,Coimbatore.
- Familiar about the installation and working technology of modern equipments like (AFM) atomic force microscopy, (XRD) X-ray diffraction,(SEM) scanning electron microscopy, Sputtering, UV photometry, FTIR, DLS particle size analyzer, ball milling, spin coater, (EPR) electron paramagnetic resonance used for imaging, and also well experienced in handling the both Top-down and bottom-Up approach analytical process.
- Well known about the essential of hospitality and health care, also having the basic idea of nanoformulation and drug delivery in pharmaceutical industry.
- Well known about the modern field like Nanocomputing, Nanoelectronics and fabrication,

KEY STRENGTHS

- To perform the servicing in both hardware and the software skill.
- Having the skill to manage the official activities.
- Communicating with clients.
- Updating the reports on client database.
- Maintaining and updating client’s documents.

PERSONAL PROFILE

Father name : M.Palaniappan
 Date of birth : 30-03-1985
 Mobile no : +917010397455
 Sex : Male
 Marital status : Single

Nationality & religion : Indian,Hindu
 Languages known : English, Hindi, Tamil, Kannada

EXTRA CURRICULAR ACTIVITES

- Cricket – Participated in State level tournaments.
- District champion in carom conducted by district carom club, The Nilgiris.
- Participated in university tournament for both football and volley ball.

OTHER INTERESTS

Reading books, playing chess and collecting coins

DECLARATION

I hereby declare that all the above statements are true and correct to the best of my knowledge and belief.

PLACE: COIMBATORE

DATE:

YOUR'S SINCERELY

(P.HARIHARAN)