



# Indian Institute of Technology Indore

Simrol Campus, Khandwa Road, Simrol, Indore - 453552, Madhya Pradesh, India

IIT Indore

## Annexure A2

Dated: 29/04/2019

### Advertisement for a Postdoctoral Position ( RA)

Applications are invited from motivated and eligible candidates for a postdoctoral position in the research project “**Advance, Engineered Energy Storage Batteries**”.

Applicants should have experience on synthesis and characterizations of Nanomaterials for Energy Storage Applications including Li-ion, Na-ion or Solid State Batteries and Supercapacitors.

**Eligibility:** Ph.D. in *Metallurgy Engineering and Materials Science, Chemistry, Physics or Materials Science is preferred*. Please note that you should have defended your Ph.D. dissertation.

#### Stipend:

Postdoctoral Fellow will be paid consolidated salary based on the following salary structure of the DST for Research Associate.

Category	Emoluments per month
Research Associate-I	Rs. 47,000/-
Research Associate-II	Rs. 49,000/-
Research Associate-III	Rs. 54,000/-

The category will be decided/recommended by the selection committee based on the qualification/Experience/Performance in the interview of the candidate.

#### Service conditions:

(i) DA: Postdoctoral Fellow will not be entitled to DA.

(ii) House Rent Allowance (HRA): All Postdoctoral Fellow may be provided accommodation based on availability and those residing in accommodation provided by the institute will not be eligible for drawing HRA. Wherever provision of hostel accommodation is not possible, HRA may be allowed to Postdoctoral Fellow as per Government norms applicable in the city/location where they are working. The fellowship amount may be taken as basic for calculating the HRA.

(iii) Medical Benefits: The Postdoctoral Fellow will be entitled for medical allowance as per institute policy.

(iv) The travel entitlement for Postdoctoral Fellow for participation in scientific events/workshops in India will continue to be as per institute norms.

**Duration:** The appointment is for one year and extendable to second year depending on the performance.

Interested candidates are requested to submit a detailed CV to *Dr. Parasharam Shirage* via e-mail: [pmshirage@iiti.ac.in](mailto:pmshirage@iiti.ac.in) and [vpol@purdue.edu](mailto:vpol@purdue.edu)

Kindly attend interview on **Monday May 20, 2019** in Chromium Building (POD-D) Room No. 301, IIT Indore at 9:00 am.

No TA/DA will be paid for appearing in the interview.

## Brief Bio-Data of PI's:

**Prof. Vilas Pol** is Associate Professor at Purdue University's School of Chemical Engineering, USA. He earned his M.Sc., and M. Phil. degrees from Pune University, India and Ph. D. from Bar-Ilan University of Israel. He was a materials scientist at the Department of Energy's Argonne National Laboratory, IL, USA (2007-2013). Pol has 18 years of research experience in the fields of energy storage, materials chemistry, engineering and electrochemistry. He has authored or co-authored more than 165 research publications (*h* index 41) and an inventor on 25 US patents/applications. He is ACS Grand Prize winner, was named as 'Argonne Scholar', MRS science as art first prize, Intel prize, Argonne's Near Hit Safety award, 2013 British Carbon Society's Brian Kelly award and is a 'Gold Medalist' in Sports. He won R and D 100 award in 2015 and honored with American Institute of Chemical Engineer's Sustainable Engineering Forum Research Award in 2016. Purdue University honored him with 'Seed for Success' award in 2015, 2016, 2017 and 2018. He was also awarded Purdue Trask Innovation funds in 2017, 2018, and 2019. Pol is named as 'Purdue Faculty Scholar' in the year 2018 and honored with Fulrath Richard M. Fulrath Award - American Academic by The American Ceramic Society in 2019. Pol is a new **GUINNESS WORLD RECORDS** record holder for the fastest time to arrange all the elements of the periodic table. <https://engineering.purdue.edu/ViPER/index.html>

**Prof. Parasharam Shirage** is Associate Professor and Head Discipline of Metallurgy Engineering and Materials Science at Indian Institute of Technology Indore (Ranked 2<sup>nd</sup> in India). He received the master and doctoral degrees from Shivaji University, Kolhapur (India). Prior to work at IITI, he was Visiting Fellow at Tata Institute of Fundamental Research (TIFR), Mumbai, he was Senior Scientist at National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan. He is an author of over 170 peer reviewed research papers with 3127 citations *h*-index 29. Under his supervision 7 PhD and 9 master students have completed thesis. His research group consists of 10 PhD students and 6 master students. The research interest of Dr. Shirage include areas such as electrochemistry, thin film growth, utilization of high pressure to synthesize novel materials, novel superconductor search, isotope effects, point contact spectroscopy, microwave studies, nano-materials for solar cell applications and energy storage devices, gas sensing, etc. Among the various honours and awards received by him, mention must be made of Excellence in Teaching at IIT Indore (2016), Japan Society for the Promotion of Science (JSPS) award from Japan (2006), MEXT fellowship (2008) from Japan, Mech-know 21 (Geongnam Technopark) award from Ministry of South Korea (2004), Visiting Fellowship from TIFR Mumbai, Best paper presentation award from Materials Research Society of India (2018 and 2000), Paper of Editors suggestion from American Physical Society three times (2011, 2009,2008), Paper of editors choice from Physical Society of Japan (JPS) (2011, 2009). He is the fellow of Institute of Physics, U.K., member of executive body of Indian scientist association in Japan (ISAJ), on editorial board of The Open Applied Physic Journal( BENTHAM), reviewer for APS, ACS, JPS, IOP, Elsevier journals. He has visited, delivered invited lectures, attended conference and chaired scientific sessions in several countries including Japan, South Korea, Turkey, Greece, Belgium, France, Italy, China, etc.