Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from Instituto Politécnico Nacional , Mexico

1 message

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Sun, Feb 13, 2022 at 11:31 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Tuning the structural, magnetic and multiferroic properties of Sm3+ substituted barium hexaferrites...

... the unit cell enables lithium ions to migrate and thereby improves the electrochemical reactions [24]. The integrated intensity ratio between the (003) and (004) Bragg reflections (see Figure 4) indica ...

Reference: Tuning the structural, magnetic and multiferroic properties of Sm3+ substituted barium hexaferrites...

A Structural and Morphological Study of LiCo1-XSmXOY Powders Obtained by the Sol-Gel Method

Citing article

Feb 2022 · Advances in Nanoparticles

Antonieta García Murillo · Felipe de Jesús Carrillo Romo · Arturo Cervantes Tobón · Victor H. Colin Calderon

View citing research | View citation context

Rakesh, you were recently cited by an author from Bangladesh Atomic Energy Commission

1 message

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Mon, Mar 28, 2022 at 11:12 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Structural, optical, and magnetic properties of non-stoichiometric lithium substituted magnesium fer...

Structural characteristics, cation distribution, and elastic properties of Cr 3+ substituted stoichiometric and non-stoichiometric cobalt ferrites

Citing article

Jan 2022 · RSC Advances

M. A. Islam · A. K. M. Akther Hossain · M. Z. Ahsan · M. A. A. Bally · [...]

View citing research

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from Hankuk University of Foreign Studies

South Korea

1 message

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Thu, Feb 10, 2022 at 10:54 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Lattice Strain Mediated Dielectric and Magnetic Properties in La Doped Barium Hexaferrite

Enhanced microwave absorption features of Ba 3 Co 2 Fe 24 O 41 hexaferrite by high lanthanium doping concentration

Citing article

Jan 2022 · Journal of the American Ceramic Society

Ngo Tran · Ruey-Bin Yang · Woo Hyun Jeong · Do Hung Manh · [...]

View citing research

Build a Glorious legacy of Innovation in Frontiers of Science Education and Cutting-Edge research in Bihar

Establishment of Centre for Nanoscience and Nanotechnology : Innovation-1.1

Hon'ble C.M Sri Nitish Kumar Ji, Dy. CM Sri Sushil Kr Modi Ji; Education minister Sri Krishnan dan Pd Verma Ji, Advisor to CM Sri Anjani Kr Ji appreciated the nanotechnology labs Established and research work carried out under supervision and leadership of **Dr. Rakesh Kumar Singh, dated-21st Feb. 2019. Dr. Rakesh interactions with dignitaries are shown as follows.**





This is the1st frontier areas of subject of 21st century as cutting-edge Research Centre in university of Bihar, which was initiated by Department of Education, Govt. of Bihar. Dr. Rakesh has been taking responsibilities as a founder teacher from the period of foundation of Aryabhatta Knowledge University, Patna.

Innovation-1.3

Awards/ Recognitions for Contributions to Knowledge in the area of Nanotechnology in Ayurvedic Science, at Stockholm, Sweden

Honored by Executive Chairs of European Advanced Material Congress-2016, at Sweden: Prof. Hisatosi Kobayashi (Left), National Institute for Material Science,Tsukuba, Japan cum President-International Association of Advanced Materials (IAAM) Sweden.

European Advanced Materials Congress-2016, Stockholm, Sweden

- **European Advanced Materials Congress (EAMC)-2016** is a three-day international event organized by **International Association of Advanced Materials, Linkoping University Sweden, Govt. of Sweden and VBRI Press during 23-25 August 2016 at Stockholm, Sweden**. The goal of congress is to provide a global platform for researchers and engineers coming from academia and industry to present their research results and activities in the field of fundamental and interdisciplinary research of materials science and technology.
- In this international conference total 58 country participated. Only 52% paper have been selected for presentation in this international Conference.
- In this Conference **Dr. Rakesh Kumar Singh** of Aryabhatta center for Nanoscience and Nanotechnology, Aryabhatta Knowledge university, Patna presented a paper on ''Study of Ayurvedic Nanocrystalline*Tamra* and *Sankh*Bhasma physical Characteristics by Employing Modern Scientific tools and Applications''. **His presentation and his vision were highly appreciated by European Advanced Material Conference- Executive Chairs and honored to Dr. Rakesh.This honor is for exploring the ancient Indian wisdom-Ayurveda Bhasma as Nanomedicine**.

Rakesh, you were cited in a new preprint by an author from Al-Azhar University , Egypt
1 message

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Sat, Nov 13, 2021 at 10:46 AM

ResearchGate

Rakesh, a new preprint has cited your research:

Structural, optical, and magnetic properties of non-stoichiometric lithium substituted magnesium fer...

> ... al, electromagnetic, and other physical properties of host matter based on their site preferences [12]. As a result, magnetic elds can control electrical properties. ...
>
> Reference: Structural, optical, and magnetic properties of non-stoichiometric lithium substituted magnesium fer...

Synthesis And Characterization of Cobalt-Zinc Spinel Ferrites For High Frequency Applications

Citing preprint

Aug 2021

Salma Aman · Tahani I. Al-Muhimeed · Zaki Ismail Zaki · Zeinhom M. El-Bahy · [...]

View citing preprint View citation context

Rakesh, you were recently cited by an author from Mohammed V University of Rabat

1 message

Morocco

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Sat, Feb 26, 2022 at 11:32 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Correlation between lattice strain and magnetic properties enhancement of nanocrystalline cobalt fer...

> ... The saturation magnetization value (Ms) was determined using the saturation approach law [68]. The saturation magnetization value of our sample at 300 K is 27.57 ...
>
> Reference: Correlation between lattice strain and magnetic properties enhancement of nanocrystalline cobalt fer...

Elaboration and Experimental Investigation of Zn-Ni-Co Spinel Ferrite Multi-doped Rare-Earth (Gd, Er, and Sm) Prepared by Coprecipitation Method

Citing article

Feb 2022 · Journal of Superconductivity and Novel Magnetism

Y. Belaiche · K. Minaoui · M. Ouadou · Y. Mouhib · [...]

View citing research | View citation context

Certificate of excellence is awarded to Dr. Rakesh Kr Singh, for his outstanding performance in the category of Best Young Teacher with research contributions in Modern field of Nano Science" as per recommendation of the selection committee constituted by Hon'ble Chancellor, Universities of Bihar. Dated 23 Nov 2021.

Innovation-1.2

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were cited by an author from Iran University of Science and Technology

1 message

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Mon, Nov 12, 2018 at 10:37 AM

ResearchGate

Rakesh, we found one more citation of your research:

On the Magnetic and Photoluminescence Properties of Calcium Diferrite (CaFe 4 O 7) Nanoparticles

View citing research

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Re: Hi Singh Rakesh. Be an Invited Speaker at the forum: MagnetFForum-2022

1 message

Magnetism Forum <magnetism@continuumforums.net>
To: "rakeshsinghpu@gmail.com" <rakeshsinghpu@gmail.com>

Tue, Jan 4, 2022 at 3:34 PM

Hi Dr. Singh Rakesh,

Hope you're doing well!

In recognition to your valuable contribution to the the fields of Magnetism, Continuum Forums is honored to invite you to Be a Speaker at the forum at **Magnetism and Magnetic Materials World Forum** scheduled to be held from **September 15-17 2022** in **Budapest, Hungary**.

The conference will provide a forum for sharing knowledge and ideas, research results and will foster collaborations amongst the participants.

As a leading researcher in the field your opinions and expertise are very valuable and important for a successful congress. For more information please visit: **MagnetForum-2022 website**.

Should you need any further information, please do not hesitate to contact me. Awaiting your reply.

Best Regards,
Teresa M
Program Manager
MagnetForum-2022
Continuum Forums

Hon'ble Chief minister Sri Nitish Kr Ji, specially appreciated research activities of Nano science and Nanotechnology center of AKU Patna, during his video conference program of establishment of statue of Aryabhatta in campus.

Innovation-1.3

2 राष्ट्रीय सहारा पटना। मंगलवार ● 25 अगस्त ● 2020

सोमवार को राजधानी पटना में वीडियो कॉन्फ्रेंसिंग के जरिए उच्च माध्यमिक विद्यालयविहीन 3304 पंचायतों में शैक्षिक सत्र 2020-21 से नौवीं कक्षा का शुभारंभ करते मुख्यमंत्री नीतीश कुमार। साथ में हैं उपमुख्यमंत्री सुशील कुमार मोदी ।

मुख्यमंत्री ने आर्यभट्ट की प्रतिमा का वीडियो कॉन्फ्रेंसिंग के माध्यम से किया अनावरण

पटना (एसएनबी)। मुख्यमंत्री नीतीश कुमार ने वीडियो कॉन्फ्रेंसिंग के माध्यम से आर्यभट्ट ज्ञान विश्वविद्यालय भवन परिसर में महान गणितज्ञ, खगोलशास्त्री आर्यभट्ट की आदमकद प्रतिमा का अनावरण किया। मुख्यमंत्री ने आर्यभट्ट के नाम से इस विश्वविद्यालय की स्थापना तथा नाम में ज्ञान शब्द जोड़े जाने के मुख्य उद्देश्य का स्मरण कराते हुए विश्वविद्यालय द्वारा किए गए कार्यों की सराहना की। मुख्यमंत्री द्वारा यह भी बताया गया कि यह विश्वविद्यालय अन्य

नीतीश कुमार ने की विवि द्वारा किये गए कार्यों की सराहना की

विश्वविद्यालयों से अलग है। मुख्यमंत्री द्वारा विश्वविद्यालय अंतर्गत शैक्षणिक केन्द्र आर्यभट्ट नैनो विज्ञान एवं नैनो प्रौद्योगिकी द्वारा किए जा रहे शोध की सराहना करते हुए अन्य नए शैक्षणिक केन्द्रों को खोले जाने के लिए परामर्श दिया गया। इस मौके पर विश्वविद्यालय परिसर में कुलपति डॉ. (प्रो) अरुण कुमार अग्रवाल, प्रतिकुलपति प्रो. एस एम करीम, कुलसचिव सह परीक्षा नियंत्रक ई. राजीव रंजन, उप कुलसचिव डॉ. कुमारी अंजना, उच्च शिक्षा, शिक्षा विभाग की निदेशक डॉ. रेखा कुमारी तथा विवि पदाधिकारी एवं कर्मचारी उपस्थित थे।

Fwd: Would You Like to be Chair/Speaker in WCFN2023, Sapporo, Japan

1 message

Dr. Rakesh Singh <rakeshsinghpu@gmail.com> Fri, Dec 31, 2021 at 4:34 PM
To: "Dr. Rakesh Singh" <rakeshsinghpu@gmail.com>

---------- Forwarded message ---------
From: **alma** <alma03@wcfn-congress2021.com>
Date: Sun, Jan 2, 2022 at 12:31 AM
Subject: Would You Like to be Chair/Speaker in WCFN2023, Sapporo, Japan
To: Rakesh Kr. Singh <rakeshsinghpu@gmail.com>

Dear Dr. **Rakesh Kr. Singh,**

On behalf of the organizing committee, it is our great pleasure and privilege to welcome you to Sapporo, Japan from January 09-11, 2023 to join WCFN-2023 as Speaker while presenting about **Calcium oxide(CaO) nanomaterial (Kukutanda twak Bhasma) from egg shell: Green synthesis, physical properties and antimicrobial behaviour**....

The Annual World Congress of Food and Nutrition has successfully held each year all over the world. Each year, there were more than 300 world-renowned experts, professors, specialists and entrepreneurs from many countries attended the conferences. The conference is a great scientific festival with wonderful opportunities to learn about the new research result and achievement of Food and Nutrition. Meanwhile, it has promoted the communication of colleagues and collaboration of partners in this field. Depending on the warmly support and good suggestions from all of the participants, we are confident in organizing WCFN-2023 which would be better and more successful!

Aiming to promote an international exchange of scientific knowledge and experience in the field of food and nutrition, the scientific program will include plenary/keynote lectures and session talks as well as poster presentations under several major themes, mainly focused on: Food Economy, Policy and Laws, Basic Research of Food Science, Advanced Food Technologies, Food Detection, Quality and Safety Control, Special Food Research, Nutraceuticals and Functional Foods, Diet, Advances in Nutrition Research, Human Nutrition through Life Course, Nutrition and Disease Management. We certainly believe that WCFN2023 will provide a variety of opportunities to exchange ideas and expertise as well as network with worldwide research groups.

We expect your precious comments or suggestions; also your reference to other speakers will be highly appreciated. We look forward to receiving your replies on the following questions:

1. What is the title of your speech?
2. Do you have any suggestions about our program?

The destination city, Sapporo is characterized by cool summer and snowy winter. This city plays a role as a major cultural destination and is home to some of Japan's best-known culinary dishes, theatrical and musical events, as well as points of interest and attractions such as museums and lovely parks.Apart from the unique program, we believe you will have a memorable experience with local culture of Sapporo.

We sincerely wish you can accept our invitation and join us to contribute your invaluable experience and knowledge at this magnificent conference. Look forward to hearing from you soon!

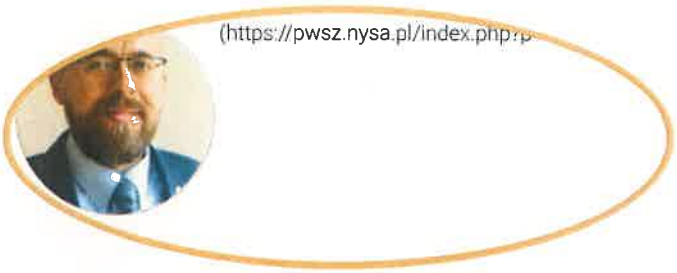
Sincerely yours,

Ms. Alma Yang
Organizing Committee of WCFN-2023
Tel: 0086-411-84799609 EXT 816
Email: alma.wgc@gala-tek.com
3036

Prof (Dr) Rakesh Kumar Singh

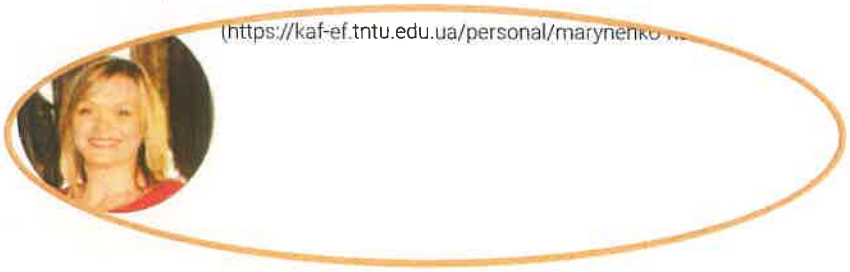
Head Academic University Centre for Nano-science & Nanotechnology Aryabhatta Knowledge University, Patna

Scientific Committee



Prof. dr Tomasz Drewniak

Vice-Rector, University of Applied Sciences in Nysa, Poland



Natalila Marynenko

Doctor of Sciences, Professor, Ternopil Ivan Puluj National Technical University, Ternopil, Ukraine

Volodymyr Shanaida

Associate Professor, PhD, Ternopil Ivan Puluj National Technical University, Ternopil, Ukraine

dr inż. Mariusz Kołosowski

GH23B-1237 - Equilibrium Sorption of Fluoride on the Activated Alumina in Aqueous Solution

Tuesday, 10 December 2019

13:40 - 18:00

Moscone South - Poster Hall

ePoster

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Swirl Topics

Science & Society - SWIRL

Abstract

Removal of fluoride is a desalination technology in which fluoride ions from the aqueous solution are adsorbed on the suitable adsorbent surfaces. In this work, the overall surface area of the activated alumina was enhanced by grinding before its application on defluoridation process. Thereafter, the adsorbtion potential of both activated alumina (AA) and grinded activated alumina (GAA) for defluoridation was performed by batch sorption experiments for different contact time, pH, and the proportion of fluoride and alumina concentrations. The results indicated that the adsorption occurred rapidly in the beginning but the equilibrium was reached in about 60 minutes. At equilibrium, the adsorption capacity was about 28 mg g^{-1} (i.e., mg of fluoride per g of alumina) in case of AA, whereas it was noted as 39 mg g^{-1} for GAA for the fixed pH of 3 and fixed fluoride concentration of 100 mg L^{-1} in the aqueous solution. Further, SEM, FTIR, XRD, BET analysis, and zeta potential characterisation were conducted to understand the differences in morphological and electrochemical characteristics, high surface area, and sorptivity of GAA as compared with AA. In this work, the equilibrium sorption was performed for both Langmuir and Freundlich isotherm but the Freundlich model showed better fit for equilibrium sorption analysis, so it indicates the heterogeneous nonlinear monolayer sorption among the adsorbed particles. Adsorption kinetics was further performed for the pseudo first order as well as pseudo second order kinetics. The pseudo second order kinetics obtained better match with the experimental data of fluoride adsorption over the pseudo first order kinetics. So the chemical reaction has direct relationship with the active site of adsorbent, i.e., the mechanism involves are change in interactive force between activated alumina and fluoride ions. Overall, the grinded activated alumina can be a prospective adsorbent for the treatment of fluoride contaminated water.

Authors

Rakesh Kumar
Nalanda University

Prabhakar Sharma
Nalanda University

Rakesh Kumar Singh
Aryabhatta Knowledge University

Feb 13, 09

Dear Mr. Rakesh Kumar Singh

As discussed in NWIPT-08 we are organizing a separate workshop for Senior Resource Persons in summer. NWIPT-09 will be from 15th May to 20th May and will be restricted mainly to new participants.

The workshop for Senior Resource Persons will be held in Agra on 29th to 31st May 2009. **Dr. R.K.Awasthi** will be the chief coordinator.

I invite you to join this Senior Workshop where we can share our experiences in the past one year and plan for future activities.

With regards,

H. C. Verma
Dept of Physics
I I T Kanpur
Kanpur-208016
hcverma@iitk.ac.in

IIT Kanpur

NWIPT - National Workshop on innovative Physics Teaching

Developing Strong Scientific Human resource in Society
Learning Science through low cost experiment at all levels of Study
Under supervision of Padam Shree Prof. H.C.Verma, IIT Kanpur-

Prof Verma felicitated by Hon'ble Sri Nitish Kr Ji, CM, Bihar in year 2018 as Molana Abul Kalam Azad Award

- **Dr.Rakesh Kr Singh, developed about 500 low cost science experiment at all levels of study, under the supervision of eminent academician Prof.H.C.Verma, IIT Kanpur.** He demonstrated these experiment under various situations including classrooms/ conferences, public lecture, School and university students in different district of Bihar. We have conducted more than 200 workshops with such low cost experiments, including in **RashtriyaAviskarAbhiyan programme &Unnat Bharat Abhiyan -Initiative of Govt. of India The main objective of this programme highlights-**
  - Youth must be made to understand the beauty of doing science, the pleasure of doing science, and the ultimate bliss when results of science make you understand nature, master it, control it, and finally make things that improve the quality of life of humankind.
  - These workshops have attracted attention of students and encouraged them to ask relevant questions in science at all levels of study. Such efforts have also helped in demystifying scientific research and developing scientific thinking in students/ faculty members.
  - The present Government has taken several steps for developing research within the country in frontline areas such as Nanotechnology, Biotechnology and Information technology. Such innovative practices supplement this move by helping create interest in basic understanding in science without which cutting edge research is not at all possible.
  - Dr. Rakesh Kr Singh invited by different Govt. organizations and academic institutions to conduct training programme to almost district of Bihar/ Indian students and faculty member. SCERT-Dept. of Education, Govt. of Bihar; Kilkari, Dept. of Education, Govt. of Bihar, Bihar School Examination board, Patna, Science for Society Bihar, College/Universities including IIT's, NIT's, BIT invited me to explore such low cost science teaching-learning methodologies.

Rakesh, you were recently cited by an author from Sultan Qaboos University Omar
1 message

ResearchGate <no-reply@researchgatemail.net> Sun, Nov 21, 2021 at 10:53 AM
To: Rakesh Singh <rakeshsinghpu@gmail.com>

ResearchGate

Rakesh, we found a recent citation of your research:

Gd-doped soft Mn–Zn nanoferrites: synthesis, microstructural, magnetic and dielectric characterizati...

... > the Fe 3+ (5.92 B), and the Gd 3+ fill the B-site besides the spin pinning and canting (Tanbir et al. 2020). Feng and his team reported Mn 0.6 Zn 0.4 La x Fe 2-x O 4 synthesis by hydrothermal method and sta ...

Reference: Gd-doped soft Mn–Zn nanoferrites: synthesis, microstructural, magnetic and dielectric characterizati...

Engineered magnetic oxides nanoparticles as efficient sorbents for wastewater remediation: a review

Citing article

Nov 2021 · Environmental Chemistry Letters

M.I.A. Abdel Maksoud · Ramy Amer Fahim · Ahmed I. Osman · Gharieb S. El-Sayyad · [...]

View citing research View citation context

Rakesh, you were recently cited by an author from Universitas Abulyatama
1 message

ResearchGate <no-reply@researchgatemail.net> Fri, Nov 26, 2021 at 10:27 AM
To: Rakesh Singh <rakeshsinghpu@gmail.com>

ResearchGate

Rakesh, we found a recent citation of your research:

'Synthesis and properties of amorphous nanosilica from rice husk and its composites

… lution into a gel using a strong acid, and this method has been suggested by many researchers [27][28][29]. 100 g of RHA was reacted with 60 mL of 1 N NaOH at 90 • C for 1 h. Then filtering was carried …

Reference: 'Synthesis and properties of amorphous nanosilica from rice husk and its composites

Experimental study of the mechanical properties and microstructure of geopolymer paste containing nano-silica from agricultural waste and crystalline admixture

Citing article

Nov 2021 · Case Studies in Construction Materials

Rahmawati · Thamer Alomayri · Ali Raza

View citing research View citation context

Nanotechnology Science and research awareness in Rural Bihar

Outstanding Contributions/performance-11

20 Dec 2011, Mohania, Kamur, Sasaram, Bihar

ग्रामीण इलाकों से वैज्ञानिक निकालने की पहल

मोहनिया | एक संवाददाता

साइंस के बच्चों को कोचिंग संस्थानों के आक्रामक बाजारवाद से बचाने एवं उन्हें शोध तथा निर्माण आधारित साइंटिफिक सोच विकसित करने के उद्देश्य से स्थानीय एसपी कालेज में फिजिक्स की कार्यशाला आयोजित हुई। ग्रामीण क्षेत्र के कालेज में पहली बार इस तरह की कार्यशाला में इंटर, स्नातक एवं पीजी के छात्रों ने वेस्टेड मेटेरियल्स से फिजिक्स की प्रयोगशाला बनाने की जानकारी देश के जाने-माने वैज्ञानिकों से हासिल की।

आईआईटी कानपुर में फिजिक्स के प्रोफेसर डा. एचसी वर्मा द्वारा गठित उत्साही फिजिक्स टीचर्स ग्रुप के सीनियर रिसोर्स पर्सन एवं पटना साइंस कालेज के प्रोफेसर डा. राकेश कुमार सिंह ने फिजिक्स के कठिन सिद्धांतों को दैनिक जीवन में उपयोग आने वाली वस्तुओं से प्रायोगिक प्रदर्शन कर समझाया। गुरुत्वाकर्षण, ध्वनि तरंग, विद्युत चुम्बकीय तरंग एवं प्रकाश के सिद्धांतों को आसान एवं रोचक ढंग से प्रदर्शित किया।

उनका कहना है कि बोतल, टूटी कलमें, रस्सी, धागा आदि वस्तुओं को जिसे हम फेंक देते हैं उनकी सहायता से फिजिक्स के सिद्धांतों को समझा जा सकता है। मात्र सौ रुपये में फिजिक्स की प्रयोगशाला स्थापित की जा सकती है। चार घंटे तक चली कार्यशाला में बीएचयू एवं सासाराम के अलावा कैमूर के छात्र-छात्राओं ने भाग लिया।

भारत सरकार रक्षा मंत्रालय के अधीन डीआरडीओ में वैज्ञानिक रह चुके विद्यादान इंस्टीच्यूट ऑफ टेक्नोलॉजी के चेयरमैन डा. एसके सिंह ने कार्यशाला में बताया कि आज बच्चे मैनेजमेंट एवं प्रशासनिक सेवाओं में जाने को बेचैन हैं। यदि साइंस को नेचुरल तरीके से सीखाया जाए तो वे वैज्ञानिक बनकर देश की सेवा कर सकते हैं। आज साइंस ग्लोबल बिजनेस बन गया है।

इसमें अपार संभावनाएं हैं। बस जरूरत है बच्चों में वैज्ञानिक प्रतिभा विकसित करने की। कार्यशाला की अध्यक्षता कालेज के प्राचार्य डा. अनिल कुमार एवं संचालन डा. एसएस सिंह ने किया। मौके पर विज्ञान के शिक्षक डा. अभिराम सिंह, प्रो. ओपी सिंह, डा. केबी सिंह, डा. एसबी सिंह, प्रो. बीके उपाध्याय, डा. यूपी सिंह आदि मौजूद थे।

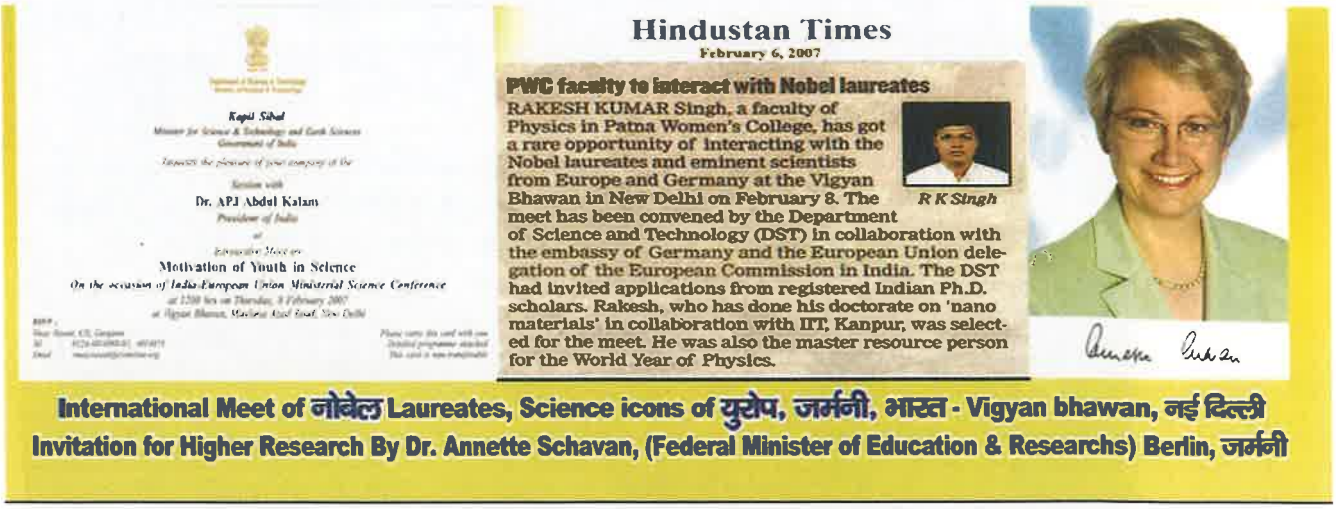
मोहनिया के एसपी कॉलेज में आयोजित कार्यशाला में फिजिक्स के सिद्धांत को समझाते युवा वैज्ञानिक व पुरस्कार से सम्मानित पटना साइंस कालेज के डॉ. राकेश कुमार सिंह

हिन्दुस्तान रविवार, 23 अगस्त, 2009, पटना

Prof.K.L.Chopra (Padamsri), Ex- Director, IIT Kharagpur Public Lecture on the topic **'From Atom to Tailored Materials'** as Fellow of the Indian Academy of Science at VITM, Arion, Buxar, (Rural Bihar), 22 Dec 2012. Conducted this **Rural India Science & Technology Mission** as a Coordinator

National Seminar on **'Devlopement of Nanotechnology Sensor for Defence Application'** Conducted this seminar as a **Convener** at VITM, AKU, Buxar, Bihar

Awarded Doctoral degree in the field of Nanotechnology and invited for Post-Doctoral Research by Federal Minister of Education and Research, Berlin, Germany



Kapil Sibal
Minister for Science & Technology and Earth Sciences
Government of India

requests the pleasure of your company at the
session with
Dr. APJ Abdul Kalam
President of India
at
Interactive Meet on
Motivation of Youth in Science
On the occasion of India-European Union Ministerial Science Conference
at 1500 hrs on Thursday, 8 February 2007
at Vigyan Bhawan, Maulana Azad Road, New Delhi

Please carry this card with you
Detailed programme attached
This card is non-transferable

Hindustan Times
February 6, 2007

PWC faculty to interact with Nobel laureates

RAKESH KUMAR Singh, a faculty of Physics in Patna Women's College, has got a rare opportunity of interacting with the Nobel laureates and eminent scientists from Europe and Germany at the Vigyan Bhawan in New Delhi on February 8. The meet has been convened by the Department of Science and Technology (DST) in collaboration with the embassy of Germany and the European Union delegation of the European Commission in India. The DST had invited applications from registered Indian Ph.D. scholars. Rakesh, who has done his doctorate on 'nano materials' in collaboration with IIT, Kanpur, was selected for the meet. He was also the master resource person for the World Year of Physics.

R K Singh

International Meet of नोबेल Laureates, Science icons of युरोप, जर्मनी, भारत - Vigyan bhawan, नई दिल्ली
Invitation for Higher Research By Dr. Annette Schavan, (Federal Minister of Education & Researchs) Berlin, जर्मनी

Bundesministerium
für Bildung
und Forschung

POSTANSCHRIFT Bundesministerin für Bildung und Forschung, 11055 Berlin

Mr. Rakesh Kumar Singh
C/o Dr. A Narayan,
Deptt. of Physics, Patna University,
Patna, Science College Campus,
Patna-5
INDIEN

Dr. Annette Schavan, MdB
Bundesministerin für Bildung und Forschung

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HOMEPAGE www.bmbf.de
DATUM Berlin, 28. August 2007

Liebe Studierende,
liebe Schülerinnen und Schüler,

im Rahmen meines Besuchs in Indien im Februar dieses Jahres war es mir eine besondere Freude, am 8. Februar 2007 gemeinsam mit Forschungsminister Kapil Sibal und EU-Kommissar Potočnik am „Interactive Meet on Motivation of Youth in Science" („Science Icons Meeting") in Delhi teilgenommen zu haben. Es hat mich insbesondere gefreut, dass sich so viele junge Menschen aktiv an der Veranstaltung beteiligt und ihr großes Interesse an Wissenschaft und Forschung gezeigt haben.

Mit einigen Informationsbroschüren des Deutschen Akademischen Austauschdienstes (DAAD) möchte ich Sie gerne auf die vielfältigen Fördermöglichkeiten, die für Reisen nach und Aufenthalte in Deutschland zur Verfügung stehen, aufmerksam machen. Der DAAD fördert alle Bereiche rund um Wissenschaft, Forschung, Sprache und Lehre und ist mit einer Außenstelle auch in Delhi vertreten.

Ich würde mich sehr freuen, wenn Sie für Ihren Bildungsweg auch einen Forschungsaufenthalt in Deutschland in Erwägung ziehen würden. Für Ihren weiteren Lebensweg wünsche ich Ihnen viel Erfolg.

Mit freundlichen Grüßen

Annette Schavan

Dr. Annette Schavan
Bundesministerin für Bildung und Forschung

Annette Schavan

हिन्दुस्तान स्मार्ट
अपना पटना
पटना, मंगलवार, 30 जुलाई 2019 | 05

आर्यभट्ट ज्ञान विवि के नैनो टेक्नोलॉजी एवं नैनो साइंस सेंटर में पांच साल से चल रहा था शोध

आर्सेनिक को काटेगी नैनो हल्दी

पिछले साल केंद्रीय भूजल ने पटना के पानी की बड़े स्तर पर जांच की थी। हर मोहल्ले से पानी का सैंपल लिया गया था। महीनों जांच करने के बाद जो रिपोर्ट आई, उसे देख बोर्ड भी चौंक गया था। पटना के पानी में आर्सेनिक पांच गुना अधिक था। आर्सेनिक इतना खतरनाक होता है कि इसका निरंतर सेवन करने वालों को कैंसर तक हो जाता है। अब आर्सेनिक से डरने की जरूरत नहीं है, क्योंकि पटना के बेटे ने इसकी काट खोज निकाली है। पूरे देश में पहली बार आर्सेनिक का तोड़ हल्दी में खोजा गया है।

50 से 100 पीपीबी तक आर्सेनिक मौजूद है पटना के भूजल में

■ पटना | स्मार्ट रिपोर्टर

आर्यभट्ट ज्ञान विवि (एकेयू) के नैनो टेक्नोलॉजी एवं नैनो साइंस सेंटर को हल्दी के नैनो पाउडर से पानी में मौजूद आर्सेनिक को दूर करने में सफलता मिली है। यहां पिछले पांच सालों से शोध कर रहे शोधार्थियों ने पाया कि हल्दी के नैनो पाउडर से भी पानी में मौजूद खतरनाक आर्सेनिक तत्व को दूर किया जा सकता है। ऐसे में पानी से आर्सेनिक दूर करने का एक और तरीका ईजाद हो गया। शोधार्थी इसका पेटेंट कराने की तैयारी में हैं। अब तक पानी को आर्सेनिक मुक्त करने वाली जितनी भी तकनीक हैं, वे महंगी हैं और पर्यावरण पर भी प्रतिकूल असर डालती हैं। ऐसे में एकेयू ने एक नई ईको फ्रेंडली राह खोल दी है। शोध टीम में एकेयू के पूर्ववर्ती छात्र डॉ. अभय कुमार अमन, एमटेक के छात्र आशुतोष और राकेश रंजन शामिल हैं। वहीं इसका नेतृत्व सेंटर के एकेडमिक प्रभारी डॉ. राकेश कुमार सिंह कर रहे हैं।

10 से 20 गुना घट गया आर्सेनिक

शोध के लिए हल्दी का दो नैनो साइज पाउडर बनाया गया। फिर एक-एक लीटर पानी में आर्सेनिक मिलाया गया। इस दौरान इस बात का ख्याल रखा गया कि उतना आर्सेनिक ही पानी में मिलाया जाए, जितना प्रभावित इलाके में भूजल में पाया जाता है। अब इस आर्सेनिकयुक्त पानी में दोनों साइज का नैनो पाउडर अलग-अलग मिलाया गया। पानी को हिलाकर 10-10 मिनट छोड़ दिया गया। फिर पानी को फिल्टर कर नैनो पाउडर को अलग छान लिया गया। अब जब पानी में आर्सेनिक की मात्रा मापी गई तो आश्चर्यजनक रूप से क्रमशः 10 गुना और 20 गुना तक आर्सेनिक कम हो गया। जिस पानी में बड़े आकार का नैनो पाउडर था, उसमें आर्सेनिक की मात्रा 10 गुना घट गई। वहीं कम आकार वाले नैनो पाउडर के पानी में 20 गुना तक आर्सेनिक घट गया।

क्या है संभावना

छानने के बावजूद पानी का रंग हल्का पीला रह गया। पानी में हल्दी का स्वाद भी आ गया। ऐसे में रंग व स्वाद को दूर करने के लिए इस आर्सेनिकमुक्त पानी को फिल्टर कर आसानी से पीया जा सकता है।

पटना बुरी तरह प्रभावित

पूरा विश्व आर्सेनिक से प्रभावित है। पटना और बिहार भी इसी में शामिल हैं। खासकर गंगा और कोसी के इलाके में भूजल में काफी अधिक मात्रा में आर्सेनिक मौजूद है।

आर्सेनिक से बीमारी

अधिक आर्सेनिकयुक्त पानी पीने से पेट और चर्म रोग होते हैं। उपचार नहीं होने पर विभिन्न अंगों में कैंसर जैसी घातक बीमारी होती है।

100 पीपीबी तक आर्सेनिक

पटना के भूजल में 50 से 100 पीपीबी तक आर्सेनिक मौजूद है। बाढ़-बख्तियारपुर इलाके में 50 पीपीबी तो मनेर, दानापुर की तरफ 100 पीपीबी तक आर्सेनिक पानी में मौजूद है।

फिल्टर करने की तकनीक

मुख्यतः नैनो मटेरियल्स, रिवर्स ओसमोसिस आदि तकनीक मौजूद है।

फटाफट खबरें

समाहरणालय कक्ष में सोमवार को शपथ लेते अधिकारी।

अफसरों ने ली आजीवन शराब न पीने की शपथ

पटना। मैं सत्यनिष्ठा के साथ यह शपथ लेता हूं कि मैं आजीवन शराब का सेवन नहीं करूंगा। काम के दौरान या कहीं भी रहने पर शराब से संबंधित किसी भी गतिविधि में शामिल नहीं होने को लेकर जिला प्रशासन के सभी अधिकारियों और कर्मचारियों ने शपथ लिया। सोमवार को समाहरणालय कक्ष में जिलाधिकारी ने पुरुष और महिला कर्मियों को शराब नहीं पीने को लेकर शपथ दिलायी। उन्होंने कहा कि नशामुक्ति को लेकर दिलाए गए शपथ का जीवन में बहुत ही सकारात्मक असर पड़ेगा। इसका सार्थक फल दिखने को मिल रहा है। शहर के साथ ग्रामीण इलाकों में भी युवाओं से इसे रोकने को लेकर अनुरोध किया जा रहा है। अभियान को भी लोगों का बेहतर साथ मिल रहा है।

पांच सौ आयुष डॉक्टरों

सिटी लाइफ
लाइफ पटना
पटना, बुधवार 25.05.2016 13

स्वीडन में नैनोमेडिसिन पर प्रेजेंटेशन देंगे डॉ राकेश

■ **एकेयू में फैकल्टी डॉक्टर राकेश के साथ दुनिया भर से मेटेरियल साइंस व नैनोटेक्नोलॉजी के एक्सपर्ट्स ले रहे हिस्सा**

नैनोसाइंस लैब में हुआ है तैयार

विवि के लिए यह बड़ी बात है. हमारे पास न केवल बिहार बल्कि पूर्वोत्तर भारत में उन्नत इक्विपमेंट है. हमारी पूरी कोशिश है कि विवि में आधुनिक तरीके से काम हो.

प्रोफेसर एसएम करीम, प्रो-वीसी, एकेयू

लाइफ रिपोर्टर @ पटना

आर्यभट नॉलेज यूनिवर्सिटी के सहायक प्रोफेसर सह नैनो साइंस सेंटर के स्थापना पदाधिकारी डॉक्टर राकेश कुमार सिंह 23 से 25 अगस्त तक स्वीडन के स्टॉकहोम में आयोजित होने वाले इंटरनेशनल कॉन्फ्रेंस ऑफ मेटेरियल साइंस, यूरोपियन एडवांस्ड मेटेरियल कांग्रेस में अपने पेपर का प्रेजेंटेशन देंगे. डॉक्टर राकेश इस आयोजन में आयुर्वेद भस्म एंड नैनोमेडिसिन विषय पर अपने रिसर्च पेपर को प्रस्तुत करेंगे. इस आयोजन में दुनिया भर से मेटेरियल साइंस व नैनोटेक्नोलॉजी के एक्सपर्ट्स हिस्सा ले रहे हैं.

डॉक्टर सिंह ने बताया कि उनके रिसर्च में मॉडर्न साइंटिफिक टूल्स द्वारा यह साबित किया गया है कि भस्म एक नैनो मेडिसिन है. यह प्राचीन भारतीय विरासत है और इस बारे में धीरे-धीरे जानकारी बाहर आ रही है. इस रिसर्च पेपर में डॉक्टर राकेश के अलावा पीएचडी स्टूडेंट अभय कुमार व संजय कुमार के साथ विवि के प्रो-वीसी एसएम करीम और कोलेबरेटर आइआइटी पटना के डॉक्टर मनोरंजन भी साथ हैं. प्रेजेंटेशन की तैयारी पूरी हो गयी है.

नैनोसाइंस लैब में हुआ है तैयार

श्री सिंह ने बताया कि हमारा भस्म नैनोमेडिसिन के रूप में है और इसकी खासियत यह है कि छोटे स्तर पर जाकर यह इलाज करने में सक्षम है. भस्म के विभिन्न गुण जैसे रंग, गुण, गंध को विवि के नैनो साइंस लैब में तैयार किया गया है. इस कार्य में डॉक्टर मनोरंजन कर का भी सहयोग रहा है. भस्म की पूरी प्रक्रिया को बनाने, कैरेक्टराइज करने व उसके विश्लेषण करने में करीब छह माह का समय लगा है.

Gmail Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from Universiti Kebangsaan Malaysia

1 message

ResearchGate <no-reply@researchgatemail.net> Wed, Feb 20, 2019 at 11:33 AM
To: Rakesh Singh <rakeshsinghpu@gmail.com>

ResearchGate

Rakesh, we found a recent citation of your research:

Magnetic and dielectric properties of rare earth substituted Ni0.5Zn0.5Fe1.95R0.05O4 (R=Pr, Sm and L...

View citing research

Here is what the authors said about your publication:

"... rcivity and saturation magne- tization were also decreased with the rare earth ions concentration [14]. ..."

View citation in context

Rakesh, you were recently cited by an author from Zhejiang University Inbox

ResearchGate<no-reply@researchgatemail.net> Wed, Oct 24, 2018 at 10:46 AM
To: Rakesh Singh <rakeshsinghpu@gmail.com>

ResearchGate

Rakesh, we found a recent citation of your research:

Thermal, structural, magnetic and photoluminescence studies on cobalt ferrite nanoparticles obtained...

View citing research

Rakesh, you were recently cited by an author from Federal University of Amazonas

1 message

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Mon, Dec 20, 2021 at 10:38 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Lattice Strain Mediated Dielectric and Magnetic Properties in La Doped Barium Hexaferrite

Investigation of structural and magnetic properties of Al substituted Ba0.9La0.1Fe12-xAlxO19 hexaferrites prepared by solid-state reaction method

Citing article

Dec 2021 · Journal of Magnetism and Magnetic Materials

P. da Silva-Soares · L. da Costa-Catique · F. Guerrero · P.A. Mariño-Castellanos · [...]

View citing research

Rakesh, you were recently cited by an author from Centro de Investigación y Tecnología Agroalimentaria de Aragón. España

1 message

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Wed, Nov 3, 2021 at 10:44 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Calcium oxide(CaO) nanomaterial (Kukutanda twak Bhasma) from egg shell: Green synthesis, physical pr...

… s such eggshells as a part of circular economy, hence reducing the negative environmental impacts [97,98]. In fact, sustainable nanotechnology requires the application of green techniques using mild con …

Reference: Calcium oxide(CaO) nanomaterial (Kukutanda twak Bhasma) from egg shell: Green synthesis, physical pr...

Nanotechnology as a Processing and Packaging Tool to Improve Meat Quality and Safety

Citing article

Oct 2021 · Foods

Melisa Lamri · Tanima Bhattacharya · Fatma Boukid · Imene Chentir · [...]

View citing research View citation context

Awards and Recognition

Recognition : Master Resource Person of
International Year of Physics (Proclaimed by United Nation)
At: Institute of Physics Bhubeneshwar, Orissa, (Aug. 2005)

Acdemic Recognition of Master Resource person of International Year of Physics-2005, Proclaimed by United Nations by DST-Govt. of Bihar and NCSTC-network, Delhi, Science for Society, Bihar

- Year 2005 was decleared as **International Year of Physics(IYP) by united nations.** This year marks of the theory of relativity: Special and general- has stood the test of time for a century now and remains one of the greatest creation of human mind that help us to understand nature in the proper perspective. The **IYP** also marks the centenary of the golden decade (1895-1905: Modern Physics) in which momentous discoveries in Physics were made including Quantum Science. In the same year Albert Einstein's seminal paper entitled " on the electrodynamics of moving bodies" appeared in Annalen der Physik in 1905.
- Importance to celebrating the year of Physics is, so celebrating celebrating 100 year of the golden decade and offers great opportunity to communicate the basic Scientific aspects of these discoveries and how they have shaped our lives, promotes the method of science and spread a scientific outlook among the people.
- On 27-29 July 2005, as Master Resource Person training programme was organized by the DST-Govt. of India at Institute of Physics(I.O.P) Bhubeneshwar, Dept. of Atomic energy. Dr. Rakesh actively participated in all the seesions of this training programme.
- Dr. Rakesh kr Singh nominated for the Master Resource person of International Year of Physics by Bihar Council on Science & Technology-DST-Govt. of Bihar and Science for society, Bihar, member of National Council of Science & Technology Communication-network- Technology bhawan, Delhi. On this occasion delivered talks on various aspects of Physics , conducted various activities at different colleges/PG centers/Instituations and schools through the state Bihar and others places for the progress of science for the people(Relavant documents attached on page no. ----of Annexure)

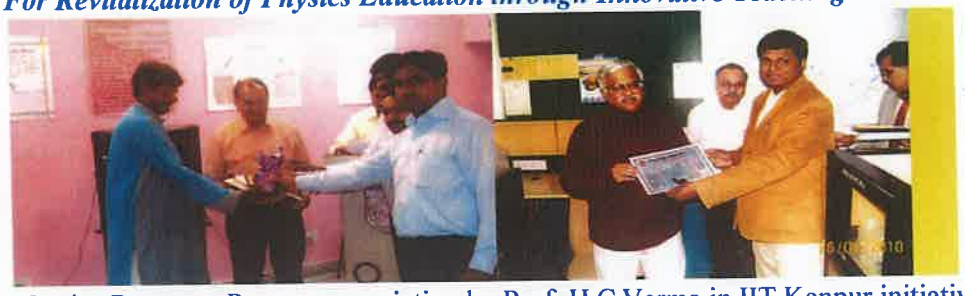
Awards and Recognition

Senior Resourse Persons of Utsahi Physics Teachers

(A group evolved through IIT Kanpur Initiated Project on Innovative Physics Teaching)

Coordinated by Prof. H.C.Verma, IIT Kanpur

For Revitalization of Physics Education through Innovative Teaching Methods



Receiving Senior Resource Person appreciation by Prof. H.C.Verma in IIT Kanpur initiative project

- Nature is beautiful and understanding it, from quarks and leptons to Galaxies, is even more beautiful. Learning Physics and sharing it with students and fellow colleagues is an exciting experience and also a great challenge. Through workshops on Physics experiments, Science shows, Teacher's training Camps and numerous other activities, Utashi Physics Teachers are spreading the fragrance of Physics learning thrill among students and teachers from middle school to Postgraduate level. **This group has been coordinated by Professor H. C. Verma, Dept. of Physics, IIT Kanpur.** He is Professor of Physics at IIT Kanpur and is constantly interacting with Physics teachers at school and college levels towards making Physics Teaching interesting and more meaningful. From these interactions, this group of highly motivated teachers has evolved which we call **"Utsahi Physics Teachers.**

- **Senior Resource Persons (SRP)**

  These are Physics teachers who have attended several NWUPTs(National workshops of utsahi Physics teachers at IIT Kanpur) and are very active in training other teachers in Physics Teaching Workshops in their regions. These persons are highly committed towards education and spend significant amount of time in conducting workshops, contacting teachers, and so on. This is in addition to their regular institutional duties.

Prof. H.C. Verma, Dept. Of Physics, IIT Kanpur delivering lecture on Revitization of Physics Education in India & Low cost demonstration Experiments by Dr. Rakesh .Kr .singh

- There are altogether **15 SRP'S*** . In each year there is SRP'S meet and Research exposure camp is being organized for upgradation for teaching- research, across different part of the country i.e It was held at IIT Kanpur, Univ. of Allahabad, Univ. of Rajsthan, Jaipur, BIT's Pilani, HBCSE-Bombay, Science College, Patna univ, IIT Guwati that is dedicated to Science Education in general and Physics Education in particular within India. **Such meet is a part of nationwide effort to renew the interest of students/ teachers in science and research activities.**

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from Liaocheng Universtiy

1 message

China

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Fri, Sep 10, 2021 at 11:18 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Tuning in optical, magnetic and Curie temperature behaviour of nickel ferrite by substitution of mon...

... ogel [13], nanoporous polymers [14], Fe 3 O 4 particles [15], Ni 0.8 K 0.2 Fe 2 O 4 nanomaterials [16], and so on. However, corrosion and mechanical stability problems are normally found in the organic ...

Reference: Tuning in optical, magnetic and Curie temperature behaviour of nickel ferrite by substitution of mon...

Study on Adsorption Behavior of Nickel Ions Using Silica-Based Sandwich Layered Zirconium-Titanium Phosphate Prepared by Layer-by-Layer Grafting Method

Citing article

Sep 2021

Chunmin Li · Jinsheng Zhao · Yusheng Zhang · C ; Li · [...]

View citing research View citation context

Rakesh, you were recently cited by an author from University of Bahrain
1 message

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Mon, Nov 1, 2021 at 10:53 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Tailoring the structural, optical and multiferroic properties of low temperature synthesized cobalt...

Thermally induced oxygen related defects in eco-friendly ZnFe2O4 nanoparticles for enhanced wastewater treatment efficiencies

Citing article

Oct 2021 · Chemosphere

Basma Al-Najar · Adnan Younis · Layla Hazeem · Shama Sehar · [...]

View citing research

Rakesh, you were cited in a new preprint by an author from Chinese Academy of Sciences

1 message

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Sat, Sep 11, 2021 at 10:46 AM

ResearchGate

Rakesh, a new preprint has cited your research:

Tuning in optical, magnetic and Curie temperature behaviour of nickel ferrite by substitution of mon...

… ith more than two hydroxyls was extremely low based on the low Ksp values (8.55 for Ni (OH)2 (aq), 16.96 for Ni (OH)2 (s) and 11.33 for Ni (OH) 3−). Therefore, the appropriate pH for studying the sorp …

Reference: Tuning in optical, magnetic and Curie temperature behaviour of nickel ferrite by substitution of mon...

Study on Adsorption Behavior of Nickel Ions Using Silica-Based Sandwich Layered Zirconium-Titanium Phosphate Prepared by Layer-by-Layer Grafting Method

Citing preprint

Sep 2021 · Nanomaterials

Chunmin Li · Jinsheng Zhao · Yusheng Zhang

View citing preprint | View citation context

Compaigning on Revitilization of Physics Education & Society for Scientific Values

Conducting Teachers workshops as a Resource person at Secretariat, Dept. of HRD, Govt. of Bihar

National Science Day, Simultalla, HRD, Jamui, **Govt. of Bihar**

DAV teachers workshop at Bihar & Jharkhand

Research paper presentation on **Nano Science at National Physical Laboratory, Delhi**

Teachers workshop at - DPS, Patna

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from Imam Abdul Rahman bin Faisal University

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Mon, Dec 3, 2018 at 11:27 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Magnetic and dielectric properties of rare earth substituted Ni0.5Zn0.5Fe1.95R0.05O4 (R=Pr, Sm and L...

View citing research

Gmail Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from Hankuk University of Foreign Studies , Korea

1 message

ResearchGate <no-reply@researchgatemail.net> Wed, Jul 28, 2021 at 10:45 AM
To: Rakesh Singh <rakeshsinghpu@gmail.com>

ResearchGate

Rakesh, we found a recent citation of your research:

Lattice Strain Mediated Dielectric and Magnetic Properties in La Doped Barium Hexaferrite

Thickness independent microwave absorption performance of La-doped BaFe12O19 and polyaniline composites

Citing article

Jul 2021 · Journal of Magnetism and Magnetic Materials

N. Tran · M.Y. Lee · W.H. Jeong · T.L. Phan · [...]

View citing research

Rakesh, you were recently cited by an author from Badan Tenaga Nuklir Nasional

1 message

ResearchGate <no-reply@researchgatemail.net> Thu, Jul 8, 2021 at 10:42 AM
To: Rakesh Singh <rakeshsinghpu@gmail.com>

ResearchGate

Rakesh, we found a recent citation of your research:

Effect of Lattice Strain on Structural and Magnetic Properties of Ca Substituted Barium Hexaferrite

The Effect of Mn 4+ and Ni 2+ Co-substitution Barium Monoferrite: Phase Formation, Raman Analysis, Magnetic Properties, and Microwave Absorbing Property Studies

Citing article

Jul 2021 · Journal of Superconductivity and Novel Magnetism

Ade Mulyawan · Salim Mustofa · · Deswita · Raden Andhika Ajiesastra · [...]

View citing research

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from Zhengzhou University of Light Industry

1 message China

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Tue, Apr 6, 2021 at 12:27 PM

ResearchGate

Rakesh, we found a recent citation of your research:

Effect of doping different rare earth ions on microstructural, optical, and magnetic properties of n...

Non-reciprocal voltage–current and impedance gyration effects in ferrite/piezoelectric toroidal magnetoelectric composites

Citing article

Jan 2021 · Applied Physics Letters

Jitao Zhang · Bingfeng Ge · Qingfang Zhang · D. A. Filippov · [...]

View citing research

Outstanding Contributions

Contributions/ Participations in State/Nation building Programme -Initiative of Government

Rashtriya Avishkar Abhiyan &Unnat Bharat Abhiyan activities ; **State/Nation building Programme -Initiative of Government**

Prof. P. Bhattacharya, Director, IIT Patna Felicitating to Dr. Rakesh as a Resource person in Teachers/Students Workshop at IIT Patna in RashtriyaAvishkarAbhiyanprogramme. On this occasion Prof.Rajmani Prasad Sinha, former Vice Chancellor and chairman, Bihar School examination board chairman was also on the dias and address the different technical sessions.

Atal Tinkaring laboratory, inaugurated as chief guest at DPS Patna

Delivering a lecture in programme in Atal Tinkaring laboratory, Initiative by MHRD, Govt. of India. The theme of the lecture was Science & Research in my life and Sustained development of society

National Technology Day -11thMay(Human Chain) for Mass awareness

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

COVID-19 and "Tuning the structural, magnetic and multiferroic properties of Sm3+ substituted barium hexaferrites BaFe12-xSmxO19 nanoceramics"

1 message

session chair <m.osman@europeanmedicine.org> Mon, Oct 18, 2021 at 6:11 PM
Reply-To: session chair <m.osman@europeanmedicine.org>
To: Rakesh Kumar Singh <rakeshsinghpu@gmail.com>

Dear Dr. Rakesh Kumar Singh,

Your COVID-19 work recently caught my attention and I wanted to get in contact with you. COVID-19 is one of the core sessions I am planning for European Society of Medicine's General Assembly next year. I think your work could fit well within the session, maybe as a presentation related to your article "Tuning the structural, magnetic and multiferroic properties of Sm3+ substituted barium hexaferrites BaFe12-xSmxO19 nanoceramics".

The assembly is August 4-6 in Madrid. There is also the option to participate online.

May we discuss this idea?

Sincerely,

M. Osman, M.D.
European Society of Medicine
2022 ESMED General Assembly

Our mission: To advance medicine, through knowledge and innovation.

Fwd: Welcome Letter @Eminent Speaker group at Traditional Medicine 2022

1 message

Dr. Rakesh Singh <rakeshsinghpu@gmail.com> Wed, Dec 8, 2021 at 10:20 PM
To: "Dr. Rakesh Singh" <rakeshsinghpu@gmail.com>

---------- Forwarded message ---------
From: <traditionalmedicine_conference@scientificwisdom.org>
Date: Wed, Dec 8, 2021 at 10:29 AM
Subject: Welcome Letter @Eminent Speaker group at Traditional Medicine 2022
To: <rakeshsinghpu@gmail.com>

Dear Dr.Rakesh Kr Singh,

Hope this email finds you well.

Your contribution to the great quantity of articles, research papers and knowledge in this filed. In this regard, it will be very delightful to have your research talk as our Honourable "Speaker" for the **International Conference on Traditional and Alternative Medicine** which is going to be held in **Oasia Hotel Novena, Singapore** on **August 19-20, 2022**. The Conference offers richer experiences for networking, information sharing and discussion across the disciplines and also offers opportunities for plenary sessions, poster presentations, symposia and joint exhibits.

Awards: Best Eminent Presentation Award | Outstanding Speaker Award | Session's Best Award | Outstanding Future Scientist Award | Best Poster Presentation Award

For more info; Visit at : https://scientificwisdom.org/conferences/traditional-medicine.html

Few of Registered Speakers:

- Dr. Wei Ling Huang, Medical Acupuncturist and Pain manager & Traditional Chinese Medicine researcher, Brazil.
- Prof. Bohdan Wasilewski, Psychosomatic Institute, Poland.
- Dr. Masanori Kaneko, Japan Natural & Naturopathic Medicine Society & International Career Support Association, Japan.
- Prof. MeenaKumari, National Institute of Siddha, Indian.

Our Supporters: Japan Natural & Naturopathic Medicine Society | International Career Support Association | National Institute of Siddha | Bionic Air | BioQuantique

Looking Forward your confirmation reply to this email.

Best Regards

Eva Jones

Conference Manager

Rakesh, you were recently cited by an author from University of Duisburg-Essen

1 message

Germany

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Sat, Jun 26, 2021 at 11:39 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Thermal, structural, magnetic and photoluminescence studies on cobalt ferrite nanoparticles obtained...

Link between Structural and Optical Properties of Co x Fe 3– x O 4 Nanoparticles and Thin Films with Different Co/Fe Ratios

Citing article

Jun 2021 · The Journal of Physical Chemistry C

Laura Kampermann · Julian Klein · Jannik Korte · Oliver Kowollik · [...]

View citing research

Rakesh, you were recently cited by an author from Università degli Studi di Milano-Bicocca

1 message

Italy

ResearchGate <no-reply@researchgatemail.net> Thu, Jun 17, 2021 at 12:02 PM
To: Rakesh Singh <rakeshsinghpu@gmail.com>

ResearchGate

Rakesh, we found a recent citation of your research:

EVALUATION OF IRON OXIDE NANOPARTICLES (NPs) ON AGING AND AGE RELATED METABOLISM AND PHYSIOLOGICAL C...

… In literature, several works report studies on iron and iron oxide NPs toxicity in C. elegans [46][47][48][56][57][58]. Pathways of iron metabolism are highly conserved between mammalians and the nemato …

Reference: EVALUATION OF IRON OXIDE NANOPARTICLES (NPs) ON AGING AND AGE RELATED METABOLISM AND PHYSIOLOGICAL C...

Impact of Tuning the Surface Charge Distribution on Colloidal Iron Oxide Nanoparticle Toxicity Investigated in Caenorhabditis elegans

Citing article

Jun 2021 · Nanomaterials

Loredana Amigoni · Lucia Salvioni · Barbara Sciandrone · Marco Giustra · [...]

View citing research View citation context

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from INCDO-INOE 2000, Research Institute for Analytical Instrumentation

Romania

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Wed, Jun 16, 2021 at 12:05 PM

ResearchGate

Rakesh, we found a recent citation of your research:

Synthesis and Characterization of Copper Substituted Cobalt Ferrite Nanoparticles

… ethanol, Fe and Co nitrates, citric acid, and ethylene glycol was successfully reported by Garcia [83] and Varma [62], with the latter reporting 50 nm size and MS values in the range of 4-25 emu/g. …

Reference: Synthesis and Characterization of Copper Substituted Cobalt Ferrite Nanoparticles

Recent Advances in Synthesis and Applications of MFe2O4 (M = Co, Cu, Mn, Ni, Zn) Nanoparticles

Citing article

Jun 2021 · Nanomaterials

Thomas Dippong · Erika Andrea Levei · Oana Cadar

View citing research View citation context

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from Federal University of Amazonas

1 message

Brazil

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Thu, Dec 31, 2020 at 10:55 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Lattice Strain Mediated Dielectric and Magnetic Properties in La Doped Barium Hexaferrite

Effect of La3+ cation solubility on the structural, magnetic and electrical properties of barium hexaferrite

Citing article

Nov 2020 · Ceramics International

P.A. Mariño-Castellanos · Fidel Guerrero · Yonny Romaguera Barcelay · Ernesto Govea-Alcaide · [...]

View citing research

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Qingdao, China - Oral Speaker Invitation to Dr. Rakesh Kr. Singh

1 message

msam@msamconf.org <msam@msamconf.org> Sat, Oct 9, 2021 at 12:46 AM
Reply-To: Kelly Feng <msam@msamconf.org>
To: rakeshsinghpu@gmail.com

Dear Dr. Rakesh Kr. Singh,

This is the conference secretary from the 5th International Conference on Material Strength and Applied Mechanics (MSAM 2022, http://www.msamconf.org/) which will be held in Qingdao, China from April 15-18, 2022. The conference is organized by Shandong University of Science and Technology, China.

Considering your research work "Low temperature synthesis and influence of rare earth Nd3+ substitution on the structural, magnetic behaviour of M-type barium hexa ferrite nanomaterials" is well related to the topics of MSAM 2022, we cordially invite you to participate in the conference and share your new research findings.

By this e-mail, you could enjoy:
1. Discount on the registration fee
2. Getting to know and communicating with the renowned experts in this field
3. Free lunches and dinners during April 16-17
4. Paper publication opportunities on EI / Scopus-indexed conference proceedings or some SCI indexed Journals.

More details can be found at: http://www.msamconf.org/

If you are not available to join us, would you like to help us review some papers? Active Reviewers are candidates for Technical Program Committee next year. If you have any interests, please send us your CV with research interests. Thanks.

Yours sincerely,
MSAM Organizing Committee

Rakesh, you were recently cited by an author from INCDO-INOE 2000, Research Institute for Analytical Instrumentation

1 message

Italy

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Wed, Jun 16, 2021 at 12:05 PM

ResearchGate

Rakesh, we found a recent citation of your research:

Synthesis and Characterization of Copper Substituted Cobalt Ferrite Nanoparticles

> … ethanol, Fe and Co nitrates, citric acid, and ethylene glycol was successfully reported by Garcia [83] and Varma [62], with the latter reporting 50 nm size and MS values in the range of 4-25 emu/g. …
>
> Reference: Synthesis and Characterization of Copper Substituted Cobalt Ferrite Nanoparticles

Recent Advances in Synthesis and Applications of MFe2O4 (M = Co, Cu, Mn, Ni, Zn) Nanoparticles

Citing article

Jun 2021 · Nanomaterials

Thomas Dippong · Erika Andrea Levei · Oana Cadar

View citing research View citation context

Rakesh, you were recently cited by an author from Uppsala University

1 message

ResearchGate <no-reply@researchgatemail.net> Thu, Jul 1, 2021 at 10:26 AM
To: Rakesh Singh <rakeshsinghpu@gmail.com>

ResearchGate

Rakesh, we found a recent citation of your research:

Tuning the structural, magnetic and multiferroic properties of Sm3+ substituted barium hexaferrites...

Size-driven phase transformation and microstructure evolution of ZrO2 nanocrystallites associated with thermal treatments

Citing article

May 2021 · Journal of the European Ceramic Society

Le Fu · Wei Xia · Håkan Engqvist · Jiwu Huang · [...]

View citing research

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were cited by an author from Dalian University of Technology

1 message

China China

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Wed, Feb 17, 2021 at 11:14 AM

ResearchGate

Rakesh, we found one more citation of your research:

Effect of doping different rare earth ions on microstructural, optical, and magnetic properties of n...

Research progress on magnetic nanoparticles for magnetic induction hyperthermia of malignant tumor

Citing article

Nov 2020 · Ceramics International

Xiaogang Yu · Shuaiwen Ding · Renpeng Yang · Chengwei Wu · [...]

View citing research

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from Adama Science and Technology University

1 message

Ethiopia

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Sat, Feb 6, 2021 at 11:22 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Effect of low Co-doping on structural, optical, and magnetic performance of ZnO nanoparticles

Green synthesis of Co-doped ZnO via the accumulation of cobalt ion onto Eichhornia crassipes plant tissue and the photocatalytic degradation efficiency under visible light

Citing article

Feb 2021 · Materials Research Express

Osman Ahmed Zelekew · Setegn Geta Aragaw · Fedlu Kedir Sabir · Dinsefa Andoshe · [...]

View citing research

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from faculty of science , Zagazig university

1 message

Egypt

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Thu, Jan 7, 2021 at 12:10 PM

ResearchGate

Rakesh, we found a recent citation of your research:

Low dielectric loss of Mg doped Ni-Cu-Zn nano-ferrites for power applications

… . It is confirmed that, the nanoferrite Mn 0.45-Fe 2.45 La 0.10 O 4 has the lowest total resistivity (highest conductivity) and lowest relaxation time (53.03 ns) and the nanoferrite Mg 0.45 La 0.10 Fe …

Reference: Low dielectric loss of Mg doped Ni-Cu-Zn nano-ferrites for power applications

Tuning of structural, magnetic and dielectric properties of M0.45La0.10Fe2.45O4; (M = Mn, Co, Cu, Mg and Zn) nanoparticles: effect of particle size and porosity

Citing article

Jan 2021 · Journal of Materials Science: Materials in Electronics

S. F. Mansour · Hadeer Zaher · Reem Al-Wafi · Hossam A. Almossalami · [...]

View citation context

View citing research

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from National Institute for Research and Development of Isotopic and Molecular Technologies

1 message

Romania

ResearchGate <no-reply@researchgatemail.net> Thu, Sep 17, 2020 at 11:44 AM
To: Rakesh Singh <rakeshsinghpu@gmail.com>

ResearchGate

Rakesh, we found a recent citation of your research:

Synthesis and Characterization of Copper Substituted Cobalt Ferrite Nanoparticles

Effect of amorphous SiO2 matrix on structural and magnetic properties of Cu0.6Co0.4Fe2O4/SiO2 nanocomposites

Citing article

Aug 2020 · Journal of Alloys and Compounds

Thomas Dippong · Erika Andrea Levei · Oana Cadar · Iosif Grigore Deac · [...]

View citing research

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from Bangladesh University of Engineering and Technology

1 message

Dhaka

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Fri, Feb 5, 2021 at 11:28 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Correlation between lattice strain and physical (magnetic, dielectric, and magnetodielectric) proper...

Structural, magnetic and electrical properties of multiferroic xLi0.1Ni0.2Mn0.6Fe2.1O4 – (1-x)Bi0.8Y0.2FeO3 composites

Citing article

Jan 2021 · Journal of Magnetism and Magnetic Materials

A.A. Momin · Roksana Parvin · Md. Fakhrul Islam · A. K.M. Akther Hossain

View citing research

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Rakesh, you were recently cited by an author from Chiang Mai University

1 message

Thailand

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Sun, Dec 27, 2020 at 10:58 AM

ResearchGate

Rakesh, we found a recent citation of your research:

Effect of Lattice Strain on Structural and Magnetic Properties of Ca Substituted Barium Hexaferrite

> ... ir crossing process. Furthermore, we focused on the influence of the magnetocrystalline anisotropy [4] on the lattice constant, which provided the preferred orientation, and was due to the spin-orbit co ...
>
> Reference: Effect of Lattice Strain on Structural and Magnetic Properties of Ca Substituted Barium Hexaferrite

The Effect of a Weak Magnetic Field (0 T to 0.4 T) on the Valence Band and Intramolecular Hydrogen of Inorganic Aerosol Metal-Nitrogen Gas Chemical Reactions in a Sparking Discharge Process

Citing article

Dec 2020 · Crystals

Stefan Ručman · Chatdanai Boonruang · Pisith Singjai

View citation context

View citing research

Gmail Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Qingdao, China - Oral Speaker Invitation to Dr. Rakesh Kr. Singh

3 messages

msam@msamconf.org <msam@msamconf.org> Sat, Oct 9, 2021 at 12:46 AM
Reply-To: Kelly Feng <msam@msamconf.org>
To: rakeshsinghpu@gmail.com

Dear Dr. Rakesh Kr. Singh,

This is the conference secretary from the 5th International Conference on Material Strength and Applied Mechanics (MSAM 2022, http://www.msamconf.org/) which will be held in Qingdao, China from April 15-18, 2022. The conference is organized by Shandong University of Science and Technology, China.

Considering your research work "Low temperature synthesis and influence of rare earth Nd3+ substitution on the structural, magnetic behaviour of M-type barium hexa ferrite nanomaterials" is well related to the topics of MSAM 2022, we cordially invite you to participate in the conference and share your new research findings.

By this e-mail, you could enjoy:
1. Discount on the registration fee
2. Getting to know and communicating with the renowned experts in this field
3. Free lunches and dinners during April 16-17
4. Paper publication opportunities on EI / Scopus-indexed conference proceedings or some SCI indexed Journals.

More details can be found at: http://www.msamconf.org/

If you are not available to join us, would you like to help us review some papers? Active Reviewers are candidates for Technical Program Committee next year. If you have any interests, please send us your CV with research interests. Thanks.

Yours sincerely,
MSAM Organizing Committee

Dr. Rakesh Singh <rakeshsinghpu@gmail.com> Sat, Oct 9, 2021 at 1:52 PM
To: Kelly Feng <msam@msamconf.org>

Dear Sir
My CV is attached herewith and details publication can be seen on following link. You can send papers for review.
Dr. Rakesh Kr Singh (Post-Doc, Ph. D, M. Sc)
Academic(i/c)/ Head/ Prof. In charge-Establishment (from 1st April 2014)
University Centre for Nano science & Nanotechnology, Aryabhatta Knowledge University Patna,
Asst. Professor of Physics, **Patna Women's College,** Patna University (Aug.2004-2013)
Google scholar Research profile- https://scholar.google.com/citations?user=gOZNJ-oAAAAJ&hl=en
Research gate profile- https://www.researchgate.net/profile/Rakesh_Singh44

[Quoted text hidden]

Oustanding Contribution.pdf
9365K

Mail Delivery Subsystem <mailer-daemon@googlemail.com> Sat, Oct 9, 2021 at 1:52 PM
To: rakeshsinghpu@gmail.com

Message blocked

Your message to **msam@msamconf.org** has been blocked.
See technical details below for more information.

LEARN MORE
⚠ *This link will take you to a third-party site*

The response from the remote server was:

```
550 Mail content denied. http://service.exmail.qq.com/cgi-bin/help?subtype=1&&id=20022&&no=1000726
```

Final-Recipient: rfc822; msam@msamconf.org
Action: failed
Status: 5.0.0
Remote-MTA: dns; mxbiz1.qq.com. (203.205.232.191, the server for the domain msamconf.org.)
Diagnostic-Code: smtp; 550 Mail content denied. http://service.exmail.qq.com/cgi-bin/help?subtype=1&&id=20022&&no=1000726
Last-Attempt-Date: Sat, 09 Oct 2021 01:22:59 -0700 (PDT)

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Call for Paper | Pharma Virtual Conference

1 message

Virtual Pharma 2021 <pharmavirtualconference@gmail.com>
To: rakeshsinghpu@gmail.com

Thu, Aug 26, 2021 at 4:44 PM

Dear Dr. Rakesh Kr. Singh,

Greetings!!

IMPACT Conferences Team takes great pleasure in inviting you for the **"3rd International Conference on VIRTUAL PHARMA 2021"** is going to be held during December 04-05, 2021, through Webinar. We welcome you to join us and share your knowledge and views on the theme ***"Innovative Approaches in Pharmaceutical Science and Novel Drug Delivery System"***. We are Pleased to invite you to as a **Speaker/Delegate** for Virtual Pharma 2021.

Follow our website to know more details like Committee Members, Speakers, Abstract submission and Registration details etc.

Website: **https://impactconferences.org/virtual-pharma/**

We would be honoured if you would accept this invitation and take part in the ceremony. Avail your interest by sending your speech abstract online at **pharma@impactcolloquium.com**

Please do not hesitate to contact or mail us if we can be of further assistance.

We anticipate your gracious presence at our event.

Regards,
Nick Johnson
Program Manager
Virtual Pharma 2021
Impact Conferences | USA

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Distinguished Speaker at Future of PMPH 2022

Future of PMPH 2022 <healthcare@pioneersleague.com>
To: rakeshsinghpu@gmail.com

Thu, Sep 23, 2021 at 6:44 PM

Dear Dr. Rakesh Kr Singh,

I hope this message finds you well. I'm honored to invite you to speak at the 2nd International Conference on the Future of Preventive Medicine and Public Health **(Future of PMPH 2022)** held during March 24-25, 2022 at London, UK.

Theme: "Global Health Care Sector Outlook-Emerging technologies, treatments and Up-to-date studies that could revolutionize medicine and future of healthcare"

We would be delighted to have you present at this conference as a Distinguished Speaker to deliver a presentation on your publication entitled **"Calcium oxide(CaO) nanomaterial (Kukutanda twak Bhasma) from egg shell: Green synthesis, physical properties and antimicrobial behaviour"**. We would love to hear your thoughts and opinions with regard to this study, or else you can choose any other paper of your choice relevant to Future of PMPH 2022 tracks & scientific sessions.

Kindly let me know your interest in participating at the conference so that I will send you further details.

For more details Click Here: Healthcare Conferences

Look forward to receive your positive response.

Sincerely,

Elliana Richards
Program Director
Peers Alley Media
1126 59 Ave East, V5X 1Y9,
Vancouver, BC, Canada.
E: healthcare-preventivemedicine@meetingsengage.com

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Research Contributions in the field of Nanotechnology | Speaker Invitation

Luke Harris <nanotechnology@endeavor-research.com>
To: "rakeshsinghpu@gmail.com" <rakeshsinghpu@gmail.com>

Thu, Sep 23, 2021 at 8:17 PM

Dear Dr Rakesh Kr. Singh,

Greetings!!

We hope you and your family are well and safe in these unprecedented times.

On the great success of three Webinar Editions of Nanotechnology by featuring 97 Speakers, we announce the "**4th Edition of Webinar on Nanotechnology**" (Nano-2021-III) which will be held from **November 08-09, 2021.**

In view of your expertise and valuable contributions to the research fields of Nanotechnology and your article **Calcium oxide(CaO) nanomaterial (Kukutanda twak Bhasma) from egg shell: Green synthesis, physical properties and antimicrobial behaviour,** we would like to know your interest to join the Nano-2021-III virtual Program as a **Speaker**.

Your Co-speakers at Nano-2021-III include:

- **Anupama Kaul**- Director of PACCAR Technology Institute; Department of Electrical Engineering, University of North Texas, - United States
- **Jeffrey J Weimer-** Associate Professor, Chemistry/Chemical & Materials Engineering, University of Alabama in Huntsville - United States
- **Ignacio Mínguez**-Bacho-Postdoctoral Researcher, Department of Chemistry and Pharmacy, University Erlangen-Nürnberg – Germany
- **Jifeng Liu-** Associate Professor of Engineering, Dartmouth Engineering - United States
- **Huamin Li-** Department of Electrical Engineering, University at Buffalo, The State University of New York - United States
- **Arunima Singh-** Assistant Professor, Department of Physics, Arizona State University - United States

Nanotechnology Webinar Website: https://nano.endeavorresearchgroup.com

Click on the proceedings icon on the homepage to download the past webinar abstract book.

We appreciate your time and looking forward to hearing from you.

THANKS & REGARDS
Luke Harris | Program Director|
Nano-2021-III

endeavor
RESEARCH PRIVATE LIMITED

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Invitation to the International Society of Global Health

1 message

Rachael Atherton from ISoGH <r_atherton@isogh.org> Tue, Jan 12, 2021 at 12:30 PM
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Dear Rakesh,
Based on the interest of our authors in the "Journal of Global Health" and the "Journal of Global Health Reports", we believe that today, more than ever, the world needs an independent society of global health research experts - **the International Society of Global Health (ISoGH).**

On behalf of the Society's inaugural president, Professor Igor Rudan, FRSE, we kindly invite you, Rakesh Singh, as an active and published global/public health researcher, to visit **ISoGH.org** and consider registering for membership.

Yours sincerely,

Ms. Rachael Atherton
Head of Secretariat

international society of global health

International Society of Global Health
Caledonian Exchange, 19A Canning Street
Edinburgh, EH3 8HE, United Kingdom

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Ukriane International Conference Invitation - "Structural, optical, and magnetic properties of non-stoichiometric lithium substituted magnesium ferrite nanoparticles for multifunctional applications"

1 message

cmse@cmseconf.org <cmse@cmseconf.org> Sat, Feb 20, 2021 at 2:09 PM
Reply-To: Li Ling <cmse@cmseconf.org>
To: rakeshsinghpu@gmail.com

Dear Dr. Rakesh Kr. Singh,

Greetings!
Based on your outstanding research "Structural, optical, and magnetic properties of non-stoichiometric lithium substituted magnesium ferrite nanoparticles for multifunctional applications"
In the present research article, structural, optical, and magnetic properties along with Curie temperature of lithium substituted magnesium ferrite nanoparticles, $Mg_{0.5+x}Li_{1-2x}Fe_2O_4$ ($0 \le x \le 0.35$) have been reported. The nanomaterial was prepared successfully using chemical-based citrate precursor sol–gel method and annealed at 550 °C. The X-ray diffraction analysis of the prepared nanomaterials confirms the formation of cubic spinel structure. The W–H plots were used to calculate crystal structure and lattice strain. The crystallite size was found to be 24 nm, 78 nm, and 50 nm, respectively, for three composition. The lattice strain was found to decrease and lattice constant was found to increase as the molar concentration of Li ion increases. The EDS measurements confirmed the presence of Mg, Fe, and oxygen. Functional group was measured using FTIR in the range of wave number 1000–400 cm^{-1} which confirms spinel structure. SEM are used for grain size determination with surface morphology analysis and found agglomerated nanocrystalline of different sizes. The optical properties were measured using UV/Vis/NIR and photoluminescence (PL) spectrometer. The energy bandgap was found 2.5 eV, 1.98 eV, and 2.41 eV, respectively, for the three prepared nanomaterials. While enhancement in photoluminescence spectra measured using PL spectrometer observed with decrease in lithium concentration. The magnetic properties were measured using vibrating sample magnetometer. The magnetic parameters like saturation magnetization, coercivity, and anisotropic constants were found to be increasing with the decrease in lithium ion concentration (Ms 11.63 emu/g–16.24 emu/g, Hc 110.81Oe–156.67Oe and (1342.41 to 2650.33). This non-stoichiometric structure was observed to affect the Curie temperature from 479 °C to 454 °C which often provides the possibility of this nanomaterial for broad range of applications in memory devices, isolators, circulator, etc.

We cordially invite you to deliver a speech on your latest research findings at the 10th Global Conference on Materials Science and Engineering (CMSE 2021) (http://www.cmseconf.org/) which will be held on August 1-4, 2021 in Kyiv, Ukraine. The conference is supported by the Pisarenko Institute for Problems of Strength, National Academy of Sciences of Ukraine.

- As an annual conference since 2012, CMSE has attracted more than 1400 participants from over 50 countries in the past 9 years;
- It provides a great chance to further expand your academic networks and refresh your knowledge in related fields;
- Presenters will get the opportunity to win the best presentations and be awarded free registration to CMSE 2022.
- Selected papers will be published in Scopus/Ei conference proceedings or ISI indexed journals.

If you are not available to join the conference, would you like to help us to review some papers? Active Reviewers are candidates for Technical Program Committee next year. If yes, please kindly send us your CV or let us know of your specific research interests. Thanks.

Notice: If you are not able to attend personally, an online presentation (or pre-recorded video presentation) is also warmly welcomed. List of video presentations from CMSE2020 can be viewed freely at the conference official website.

Yours Sincerely,
Kelly Feng
CMSE2021 Conference Committee

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Dr. Rakesh Kr. Singh: Reg. Your Article Calcium oxide(CaO) nanomaterial...

1 message

NWC Boston <nwc@bostonnwc.com> Wed, Mar 10, 2021 at 4:12 PM
Reply-To: nwc@bostonnwc.com
To: "Rakesh Kr. Singh" <rakeshsinghpu@gmail.com>

Dear Dr. Rakesh Kr. Singh,

Hopefully, you and your loved ones are safe from the pandemic of the novel coronavirus. Such unprecedented times have impacted the personal and professional lives of millions of people worldwide and we hope that it will pass soon.

We were following the current scientific works in nanotechnology (nanomedicine)and we came across your Research titled *"Calcium oxide(CaO) nanomaterial (Kukutanda twak Bhasma) from egg shell: Green synthesis, physical properties and antimicrobial behaviour"* published in year 2020 in "Materials Today: Proceedings" and that led us to you. Considering the scope of your article, we thought that you or someone from your team might be working on it and interested in joining us for the **7th NANO Boston Conference** (NWC Boston-2021) scheduled during **October 18-20, 2021** in Boston, MA, USA. This event is organized by United Scientific Group (A Non-Profit Organization). The event will be in hybrid format i.e., **in-person participation and virtual (online) participation**.

For more info please visit: https://nanoworldconference.com

Dr. Rakesh Kr. Singh, we would love to hear from you, if you can join the session of your interest with your team members from your institute, either in-person or virtually to present the latest findings in nanotechnology research. We have an excellent platform for young researchers to present their findings in oral or poster. We also have a scholarship program and poster competition for the students.

On **April 12-13, 2021**, we have an online event on **nanomedicine**, if you are curious about interdisciplinary research please have a look: **Advances and Challenges in Nanomedicine** may you will find it more interesting to join and present your work virtually.

Please do not hesitate to ask for any further details. We appreciate your time and looking for your kind response.

Best regards,
Rahul Kumar
Conference Manager
United Scientific Group
(A non-profit organization)

PS: please click [Unsubscribe] or reply with "opt out" as subject line if you do not wish to receive any further emails from us.

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Re: Structural, optical, and magnetic properties of non-stoichiometric lithium substituted magnesium ferrite nanoparticles for multifunctional applications

2 messages

Caroline Joseph <energymaterials@materialsconferences.com> Mon, Mar 1, 2021 at 2:57 PM
To: Rakesh Kr Singh <rakeshsinghpu@gmail.com>

Dear Colleague,
Greeting of the day!

We have gone through your article and it is suitable to our conference and I hope this is the right time to contact you and invite to the '23nd International Conference on Advanced Energy Materials and Research' which will be held during June 21-22, 2021 in Barcelona, Spain. We are extending a limited number of speaking options for those who can make a difference at this most highly acclaimed congress through which you can share and impart your valuable thoughts to the global scientific community. This conference will be a hybrid meeting.
For more information please visit: https://energymaterials.materialsconferences.com/

for any further queries please contact us we will be there to assist you.

Awaiting for your reply.
Regards
Caroline Joseph
Program Manager | Advanced Energy Materials 2021
Conference Series LLC Ltd
35 Ruddlesway, Windsor, Berkshire, SL4 5SF
E: energymaterials@materialsconferences.com
T: +44-2037690972,
+44-2039664288

Dr. Rakesh Singh <rakeshsinghpu@gmail.com> Mon, Mar 1, 2021 at 5:26 PM
To: Caroline Joseph <energymaterials@materialsconferences.com>

Ok Sir, I can deliver a lecture, Thanks, www.drrakeshsingh.com
[Quoted text hidden]

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Avail Speaker Opporutinity at NANOMAT 2022, Dubai, UAE | March 23-25, 2022

1 message

NANOMAT22 <nanomat2022@thescientistt.net> Fri, Feb 5, 2021 at 5:09 PM
To: "Rakesh Kr. Singh" <rakeshsinghpu@gmail.com>

Dear Dr. Rakesh Kr. Singh,

I hope you are safe and doing great!

On behalf of the Scientistt, I am delighted to cordially invite you to join the Global Summit on Nanomaterials: Applications and Properties (NANOMAT22), which will be held in Dubai, UAE on March 23-25, 2022 as a Speaker. As a leading researcher in the field your opinions and expertise are very valuable and important for a successful congress.

The objective of NANOMAT-2022 is to provide a unique forum for discussion of the latest developments, refresh your knowledge and will offer plenty of networking opportunities, providing you a chance to meet and interact with leading researchers as well as most influential minds in the field of Nanomaterials: Applications and Properties. The summit features top researchers including some of the top scientists, industrialists and highly cited researchers in the field.

For more information about summit, PS: https://www.thescientistt.com/nanomaterials-applications-summit-2022/

We invite you to attend an exciting scientific program comprising 20 plenary and keynote talks, several invited talks, oral presentations, multiple poster sessions, sponsored luncheons, and networking events.

Please let us know whether you can make it as soon as you can with your membership in the committee, and provide us with a tentative title.

I will be happy to assist you if you have any queries.

Sincerely,

M.N. Reddy

Conference Manager

NANOMAT-2022

The Scientistt

Rakesh, you were cited in an upcoming article by an author from Central University of Venezuela

1 message

ResearchGate <no-reply@researchgatemail.net>
To: Rakesh Singh <rakeshsinghpu@gmail.com>

Thu, Jan 13, 2022 at 10:43 AM

ResearchGate

Rakesh, we found an upcoming citation of your research:

'Synthesis and properties of amorphous nanosilica from rice husk and its composites

… silicon dioxide (SiO 2) nanoparticles, either in the crystalline form [5], or amorphous [6][7][8][9] silica, particularly has drawn attention. Physicochemical [10], mechanical, optical, and electrical …

Reference: 'Synthesis and properties of amorphous nanosilica from rice husk and its composites

Synthesis of nanocomposites SiO2@Co3O4, SiO2@ZnO, and SiO2@CuO from rice husks: spectroscopy and optical properties

Citing article

Feb 2022 · Applied Physics A

Jimmy Castillo · Vicmary Vargas · Vincent Piscitelli · Michelina Arcuri

View citing research View citation context

Gmail

Dr. Rakesh Singh <rakeshsinghpu@gmail.com>

Developing Innovations and Challenges in Material Science & Nanotechnology

1 message

Nanotechnology and Material Science <europeanmaterial2020@gmail.com>
To: Rakeshsinghpu <rakeshsinghpu@gmail.com>

Wed, Feb 19, 2020 at 10:30 AM

European Meeting on

Materials Science and Nanotechnology

Exploring the Advancements in Materials Research and Nanotechnology

March 09-10, 2020 Rome, Italy

Dear Dr. Rakesh Kr Singh,

We are pleased to invite you to the ***"European Meeting on Materials Science and Nanotechnology"***, scheduled from **March 09-10, 2020** in **Rome, Italy**. This Conference will be based on the
Theme: Exploring the Advancements in Materials Research and Nanotechnology.

European Material Conference-2020 has the largest assemblage of participants from the field of ***Nanotechnology and material science***.

European Material Conference-2020 deliberations will be on the following:

- Material Science & Engineering
- Nano Scale Materials & Nanotechnology
- Advanced Materials and Devices
- Batteries and Energy Materials
- Bio Materials & Healthcare
- Electronic, Optical and Magnetic Materials
- Grapheme and 2D Materials
- Metals, Mining, Metallurgy and Materials
- Mechanics, Characterization Techniques and Equipment's
- Emerging Smart Material
- Physics and Chemistry of Materials
- Surface Science & Engineering
- Nanotechnology for Oil & Gas Industry
- Nanotechnology for Environment Protection
- Nano photonics
- Nano-Electronics & Microsystems
- Nanotechnology in Energy
- Nano-Fabrication, Characterization
- Nano Computational Modelling
- Polymer Science and Technology

It is an honors and privilege to invite you to participate in this Conference as a Speaker. We believe that your contribution to this field is unparalleled and a talk on this topic will be of great benefit.

Kindly submit your abstracts on/before **February 15, 2020**.
For more details, visit European Material 2020. We look forward to a positive confirmation, an honor for us indeed.

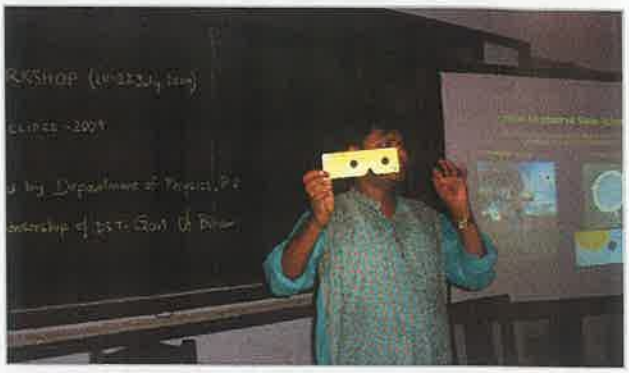
With Best Wishes,
Ana Thomas
Materials Science and Nanotechnology on March 09-10, 2020 Rome, Italy

Tel: (+44)02037690972
Office P: +447460854031
Email: materialscience@techscienceconferences.com

Web link : https://european.materialsconferences.com/

(Master Resource Person Training Programme of at **Institute of Physics, Bhubeneshawar**)

Master Resource Person of International Year of Physics-2005, Proclaimed by United Nation



Master Resource Person, Training Programme of International Year of Astronomy-2009
at Guru-Govind Dev University, **Amritsar** (Proclaimed by United Nation)

Conducting Research & Devlopment activities at Patna Railway Station, 20-26 Dec, 06 as a Coordinator
Science Express- Train: **Indo-German Initiative**, An exhibition of 14 advanced Research areas of Science)

Module prepn on Appreciating Physics in Daily life at
Guwahati-Assam- As a Resource Person

Addressing Science Teachers of Bihar on
Devloping Scientific cultule in the academic campus

Ethics in Science & Technology Activities (Innovative Practices)

To promote objectivity, integrity, ethical values in all pursuits of scientific research, education discourage the unethical acts in these areas and encourage scientific temper among masses

National Symposium Inaugural Dignitaries: **Prof. K.Chopra**, Former Director-I.I.TKharagpur, **Dr. R.K.Kotnala,** Chief Scientist, NPL-Delhi, **Prof. A.K.Bhowmick**, Director-I.I.TPatna, **Prof, S.Lal,** ViceChancellor, Patna University, **Dr. Sister.Doris D'Souza**, Principal, Patna Women's College(PWC), Patna University**, Prof. Janak Pandey**, V.C, Central University. of Bihar, **Dr. Rakesh Kr Singh, Asst. Prof. of Physics, Patna Women's College(Organizing Secretary),** Dr. S.Prasad, Head, Physics, PWC.

Delivered a talk as Resource personat IIT Kanpur in Teachers workshopat J.P.University in National Conference

Addressing On Role of Science& Scientists Basic Scientific Research (BSR) and College with For developed society,Potential for Excellence Research- UGC scheme- Guidance Organized- Dept. of Education, Govt. of Bihar

Awards & Recognations

डा. राकेश कुमार सिंह, Post-Doc, Ph.D, M.Sc.

Asst. Professor, Centre for Nanoscience & Nanotechnology, Aryabhatta Knowledge University, Patna
Lecturer in Physics, पटना वीमेन्स कॉलेज, Patna University. (Aug. 2004 - 2013)

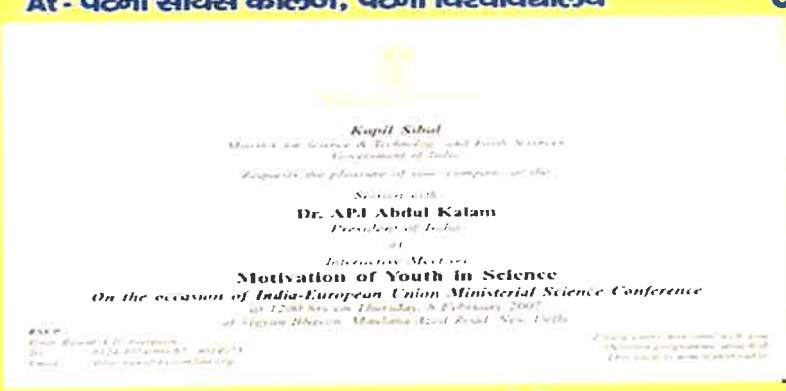
Awarded Ph.D (In May 2008)
(H.E. Devanand Konwar, गवर्नर. बिहार. मीरा कुमार लोक सभा. स्पीकर)

Master Resource Person : International Year of Physics - 05
Proclaimed By United Nations, At- I.O.P. भुवनेश्वर

Master Resource Person : International Year of Astronomoy - 09
Proclaimed By United Nations, At- G. D. Univ. अमृतसर

Young Scientist Award
At - पटना सायंस कॉलेज, पटना विश्वविद्यालय

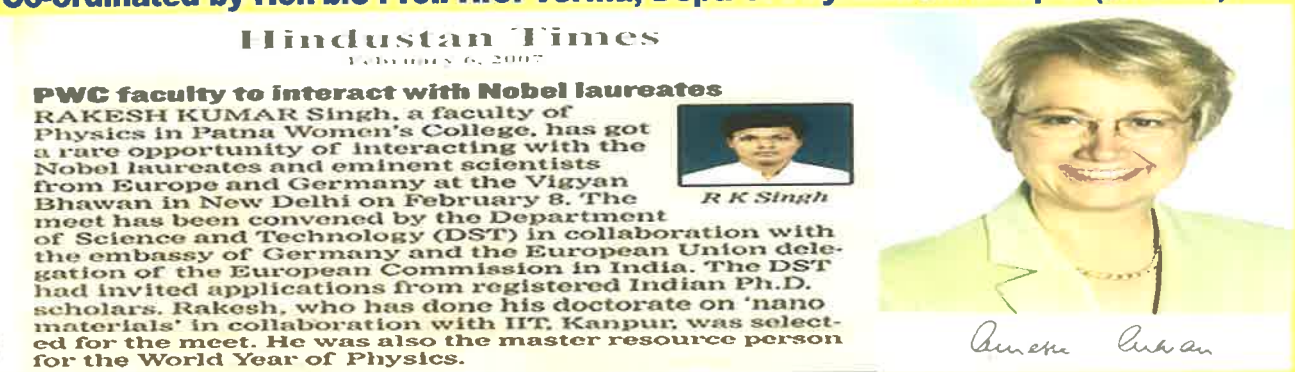
Senior Resource Person of Utsahi (उत्साही) Physics Teachers (utsahiphysicsteachers.com)
Co-ordinated by-Hon'ble Prof. H.C. Verma, Dept. of Physics. IIT Kanpur (In 2009)



Kapil Sibal
Minister for Science & Technology and Earth Sciences
Government of India

Requests the pleasure of your company at the

Session with
Dr. APJ Abdul Kalam
President of India
at
Interactive Meet on
Motivation of Youth in Science
On the occasion of India-European Union Ministerial Science Conference
at 1230 hrs on Thursday, 8 February 2007
at Vigyan Bhawan Maulana Azad Road New Delhi



Hindustan Times
February 6, 2007

PWC faculty to interact with Nobel laureates

RAKESH KUMAR Singh, a faculty of Physics in Patna Women's College, has got a rare opportunity of interacting with the Nobel laureates and eminent scientists from Europe and Germany at the Vigyan Bhawan in New Delhi on February 8. The meet has been convened by the Department of Science and Technology (DST) in collaboration with the embassy of Germany and the European Union delegation of the European Commission in India. The DST had invited applications from registered Indian Ph.D. scholars. Rakesh, who has done his doctorate on 'nano materials' in collaboration with IIT, Kanpur, was selected for the meet. He was also the master resource person for the World Year of Physics.

R K Singh

Annette Schavan

International Meet of नोबेल Laureates, Science icons of युरोप, जर्मनी, भारत - Vigyan bhawan, नई दिल्ली
Invitation for Higher Research By Dr. Annette Schavan, (Federal Minister of Education & Researchs) Berlin, जर्मनी

1st Time in Bihar organized Basic and Applied Science Awareness workshop for Researchers of Bihar, Supported by UGC-DAE

Awareness Workshop For Univesrity Users For Collaborative Research in Basic & Applied Sciences

9 & 10 January, 2013

Venue: Stage Hall, Patna Women's College

On behalf of the organizing committee, it is our pleasure to invite you to the inaugural function of the **Awareness workshop for University Users for Collaborative Research in Basic & Apllied Sciences** organized jointly by UGC-DAE Consortium for Scientific Research, Kolkata Centre and Deptt. of Physics, Patna Women's College, Patna on 9th January 2013 at 10.15 a.m.

Sri Amarjeet Sinha, IAS
Principal Secretary
Deptt. of Education, Govt. of Bihar, Patna
has consented to inaugurate the Research workshop

Prof. (Dr.) Ashok De
Director, National Institute of Technology(NIT) Patna
will be the Guest of honour

Patron	Chairperson	Convenor	Convenor
Dr. Sister Marie Jessie A.C.	**Dr. Surabhi Prasad**	**Dr. Rakesh Kr. Singh**	**Dr. M. Sudarshan**
Principal	Deptt. of Physics	Deptt. of Physics	UGC-DAE- CSR
Patna Women's College	Patna Women's College	Patna Women's College	Kolkata Centre

First time in Bihar **Dr. Rakesh Kr Singh** organized Awareness workshop for researchers of Bihar **as a Convenor**. As a Impact, few dedicated research group of Bihar associated with UGC-DAE centers and are working for revive of past glory of state Bihar in the field of science and innovations.

राज्य शिक्षा शोध एवं प्रशिक्षण परिषद्

महेन्द्रू, पटना–800006 {बिहार}

STATE COUNCIL OF EDUCATIONAL RESEARCH & TRAINING,
MAHENDRU, PATNA-800006 (BIHAR)
(शिक्षा विभाग, बिहार सरकार)

हसन वारिस, निदेशक
Hasan Waris, Director

Tele No : 0612-2370783 (O)
Fax No. : 0612-2371117 (O)
Email : scertbihar@sify.com

To Whom IT May Concern

It is certified that Dr. Rakesh Kumar Singh, Lecturer, Department of Physics, Patna women's College, Patna is actively involved in different activities of State Council Of Educational Research and Training, Bihar, Patna from 2009 to 2012. His main contributions are :

i. *He is actively involved in the development of training modules "UTPRERAK" for secondary school's Science teachers of Bihar.*

ii. *Apart his contribution as Resource Person in different programmes of SCERT is also praise worthy. He delivered several lectures to science teachers of secondary schools on Physics education and "Teaching through Low Cost Experiment". His lectures motivated the science teachers and enhanced their teaching capacity.*

iii. *Mr. Singh also worked as Member of Jury during different Academic year in State Level Jawahar Lal Nehru Bal Vigyan Pradarshni organized by State Council Of Educational Research and Training under the guideline of National Council of Educational Research and Training, New Delhi.*

Mr. Singh is hard working, sincere and committed teacher who has full command on his subject. He helped in sharpening the teaching skills of the science teachers who participated in different workshops or training programme.

I wish him every success in his life.

18.12.12

Director

NAEST 2020

National Anveshika Experimental Skill Test

Empowering the Next Generation of SCIENTISTS

ELIGIBILITY CRITERIA	School Level	University Level
	Students of Class IX-XII	B. Sc. & M. Sc. Students

Chief Co-ordinator

Prof. H. C. Verma

* For Students Studying in Indian Schools / Colleges

Register at

nani.hcverma.in

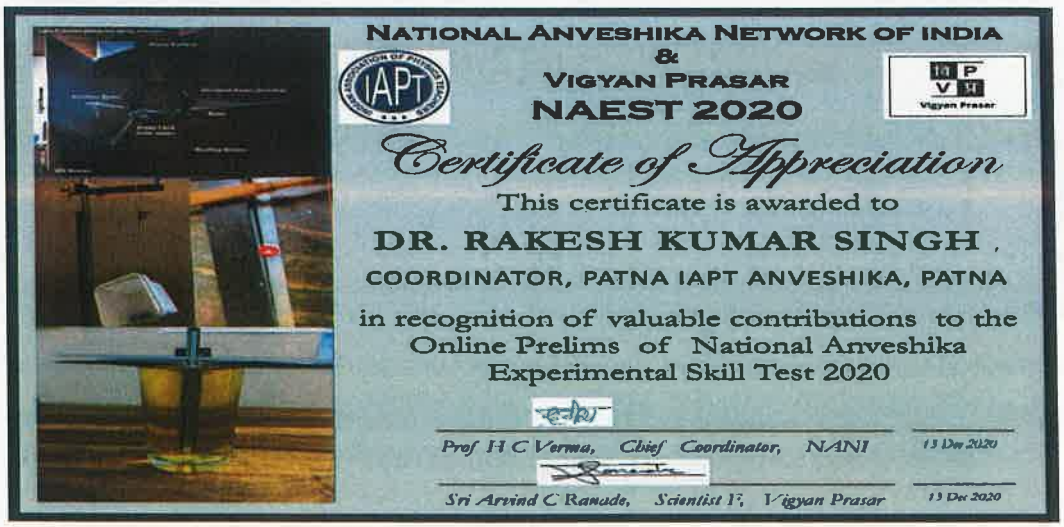
Register between: July 1 - 31, 2020

Stage - 1 (Screening) on: August 9, 2020

Organized By: National Anveshika Network of India (NANI)
with Centre for Continuing Education, IIT Kanpur

Contact: Dr Rakesh Kr Singh (Coordinator)
rakeshsinghpu@gmail.com

Dr. Rakesh Singh, Honoured by Executive Chairs of European Advanced Material Congress-2016, at Sweden: Prof. Hisatosi Kobayashi (Left), National Institute for Material Science, Tsukuba, Japan cum President- International Association of Advanced Materials (IAAM) and Prof. Asutosh Tiwari ,Prof. Linkoping University, Sweden.



Eminent academician Padam Sri Prof. H C Verma, IIT Kanpur appreciated to Dr. Rakesh Kr Singh, for valuable contributions for conducting National Science experimental skill test. The main objective of this programme is that, how science reach to the common people through low cost/No cost experiment/devices at all levels of study. Dr. Rakesh is also one of the senior resource person in IIT Kanpur initiative project, coordinated by Padam Sri Prof. H C Verma, IIT Kanpur

prabhatkhabar.com

प्रभात खबर

लाइफ

जर्नलिज्म जिंदगी का

पटना, बुधवार 16.02.2022

आर्यभट्ट नॉलेज यूनिवर्सिटी के नैनो टेक्नोलॉजी विभाग की छात्रा की खोज

दालचीनी और अदरक के नैनो फाइन पाउडर से कम होगा डायबिटीज व मोटापा

- नैनो टेक्नोलॉजी डिपार्टमेंट इस रिसर्च को बाजार का स्वरूप देने की तैयारी कर रहा

जूही स्मिता ▸ पटना

दालचीनी, अदरक के नैनो फाइन पाउडर से डायबिटीज और मोटापा कम होगा. इस संबंध में आर्यभट्ट नॉलेज यूनिवर्सिटी के नैनो टेक्नोलॉजी विभाग से पिछले साल दिसंबर में पीएचडी कर चुकी अर्चना के रिसर्च जनरल इंटरनेशनल जर्नल में प्रकाशित हुआ है. इस रिसर्च को करने के लिए डॉ राकेश और डॉ अर्चना ने छह अत्याधुनिक उपकरणों का उपयोग भौतिक गुणों के बारे में जानने के लिए किया. डॉ अर्चना ने बताया कि दालचीनी व अदरक के नैनो पाउडर बनाया गया है, जो डायबिटीज, मोटापा के साथ-साथ टेंशन को भी कम करता है.

काफी गुणकारी है दालचीनी : दालचीनी कई गंभीर रोगों से बचाने के साथ-साथ एंटी ऑक्सीडेंट (एंटी-बैक्टीरियल, एंटी-फंगल और एंटी-वायरल) गुण होता है. अदरक के पाउडर के सेवन से शरीर के मेटाबॉलिज्म पर सीधा असर पड़ता है, जिससे हमारा वजन घटता है. यह पाचन तंत्र को नियंत्रित करता है. दालचीनी आपके फैट को कम नहीं करता है, बल्कि ये आपके शरीर में ज्यादा फैट को बढ़ने से रोकता है. अदरक पाउडर का उपयोग भी वजन घटाने के लिए किया जा सकता है. दोनों के मिश्रण से तैयार नैनो पाउडर डायबिटीज को भी कंट्रोल में रखता है.

बाजार में लाने की तैयारी : अर्चना ने बताया कि सी-एलिगेंस एक मॉडल ऑर्गेनिज्म है. इसी पर शोध किया गया है. नैनो टेक्नोलॉजी डिपार्टमेंट रिसर्च को बाजार का स्वरूप देने का काम भी धीरे-धीरे कर रहा है. पीएचडी नैनो टेक्नोलॉजी के हेड डॉ राकेश कुमार सिंह कहते हैं, अर्चना का काम काफी बेहतर है. इसे बाजार में लाने की बहुत जरूरत है. शोध पत्र रिसर्च जर्नल में प्रकाशित हो गया है.