



Connecting Thinkers..

## Editor's Message



Being the Research Co-ordinator has been a very fruitful and the most satisfying of my responsibilities in the last two and a half decades with this Institution. Not only have I got an insight into the innumerable subjects and knowledge systems operating in the world but also been a part of the joys and sorrows of all the research scholars. The most satisfying moment is when a research scholar completes the viva successfully. The smile of relief on the face of the scholar (and the Guide) are truly satisfying. In the course of our interactions, scholars also throw light on the specific characteristics of the Guides' persona which has been instrumental in their learning and successful completion of the programme. I would like to dedicate this column to all Guides whose unstinting and selfless support and guidance has not only helped the research scholars as individuals but also strengthened us all at JAIN.

Some of the common comments have been:

“My Guide was very tough with me till I published in an indexed journal. He did not let me move forward till that happened. At that time I was disturbed but today I realise how important those publications are.”

“My Guide does not impose her thinking on me. She facilitates learning and allows me to present my ideas in my own way.”

“It is very easy to work with my Guide. He / She does not show any ego or power on me. Some of my friends have had some bad experiences and I was also afraid. But nothing like that happened to me.”

“My Guide has a lot of patience! He/ She checked five drafts of my work and then approved.”

Many other responses like these which give a clue to the typical traits in our Guides. India has a rich heritage of *Guru Parampara* where teacher is not just in the limited sense of knowledge provider but has spiritual connotations too. JAIN is fortunate to have such teachers as Research Guides. Long live the teacher who burns like the lamp to light up the path of the student!!

Lead, kindly light.....

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## GUIDE'S COLUMN

### The Use of Research in Society



This title is a modification of a rather brilliant and popular article, an exception by itself, by a Nobel Prize winner. The original article, to use a Greek metaphor, 'launched a thousand ships' including being the motivation for Wikipedia. I borrowed it partly as an acknowledgement of the immense value of the original and partly as a device to respond to a perennial angst among young researchers regarding utility of the endeavour they have volunteered to undertake. Their experience with literature in their chosen domain and /or advice of respective guides are likely to suggest to them that in most cases research is specific, narrow and contextual in its enquiry to have any immediate and generic application. Young scholars are typically primed on relevance as the dominant criteria, hence carry this angst regarding utility of research.

The research community has evolved a response to this angst. In the management domain, which I am part of, this response typically starts with stating the nature of the underlying phenomena as complex and multidimensional and that a researcher's job is to push the knowledge envelope or horizon brick by brick leaving the rest to the good faith in the practitioners and consultants' ability to integrate and hence apply the knowledge created in parts. However if I have to go by my experience of interacting with research scholars, the above argument is not effective enough to motivate them to rigorously work on a narrow, specific and contextual research question. They seem to presume an expectation of direct application of their research. It is as if relevance of research is translated as direct application of the conclusions drawn. Most often than not, this notion leads young scholars to drift back to research questions that are blunt in their ability to push the knowledge frontier forward though noble in its intentions. Scholars end up confusing research objectives, often a repeat of the past, as research questions and do not prefer thinking through new questions.

My suggestion is to see research as a gift economy where questions raised in the past are to be seen as gifts received. Like we do not regurgitate gifts, we are not expected to repeat the questions employed in the past. Those questions have resulted in a certain discussion. The responsibility of young scholars is to formulate new questions to ensure new discussions and thereby taking the gift economy forward. The use of research, in this perspective, includes not just the usual benefits of any gift exchange, it enables new discussions.

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## Tribute to Dr. Padmavathi Tallapragada



With a heavy heart we would like to announce the sad demise of one of our senior professors, Dr. T. Padmavathi, who passed away on 12<sup>th</sup> November, 2018. She was heading the Post Graduate Department of Microbiology, at School of Sciences, Block-1 of JAIN. An experienced researcher, a dedicated teacher and a person with excellent leadership qualities, Dr. Padmavathi would offer valuable suggestions and constructive comments to her fellow researchers and students. She would always be remembered for her energetic spirit and managerial skills. Dr. Padmavathi had been the Chairperson of the Board of Examinations and Member of the Academic Council at JAIN. The Department of Microbiology soared to greater heights of achievements through her contributions like completion of DST funded project, numerous research publications and conference presentations, arranging guest lectures, conferences, workshops and refresher courses. Her interpersonal relationships with colleagues and students had to be greatly appreciated and her presence will always be felt amidst us during any future activity of the department. Let us all pray for the peace of her departed soul and offer our deepest condolences to her family and relatives.

*Dr. Srividya Shivakumar*  
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I feel honored and blessed being Dr. Padmavathi's first doctoral student, Ma'am not just shared with me her knowledge on the subject, but mentored me in my social and emotional development. Under her guidance, I attained an important milestone in my life with integrity and honesty. She was an exceptional human being who helped, taught and stood for the rights of her students all the time. A set of six words: Loud, Committed, Vocal, Love, Explore, and Discover, which are very different, yet also very similar. That's because they are used to describe one lady, my guide Dr. Padmavathi. To know her is to experience her, one who was very passionate and extremely patient with me and all her students.

It is an irreparable loss as the Institution has lost in her one of its best teachers specialised in Mycorrhizae, a Microbiologist with great potential for research and an eminent and proficient teacher, who worked continuously and most diligently. As a Guide and Head of the Department she was perfection personified in all that she did and she never stopped doing all that she had to do till her last minute. A great sage once said 'Everyone who remembers his own education remembers teachers, not methods and techniques'. I will never forget my teacher whom I fondly called 'Padma Ma'am', a teacher who was a friend when required and a strict Guide too, who emphasised on research and publication with quality, who possessed a great intellectual capacity and most importantly who was a wonderful human being with a heart of gold. She may not be present physically but will remain in our hearts and minds forever.

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## A Silent Tear - Tribute to our Guru— Dr. Padma Madam

Dear Padma Madam,

Although I cannot hear your voice or see your smiling face, even though I know deep down in my heart that you have left this world, still everyday you surround me with the sweet memories you have left behind for me to remember during my Doctoral studies in School of Sciences, JAIN (Deemed-to-be University). Although I am still unable to truly wrap my mind around it Madam, I will never forget the valuable advice you gave to me during my studies and always cherish your memories in my heart. As the famous American author John Green said, “Grief does not change you, it reveals you”. Your dedicated tutorship in the Department of Microbiology will always be remembered. Bidding farewell is always tough to a person like you Madam. Words are never enough, saying goodbye is not so simple, to a Professor like you who is so special. I will always remember the day I met you during my M. Phil interview and it is so sad that you have gone so soon. In this time of grief I extend my deepest sympathy and pray the Almighty to grant her eternal peace. “May the soul rest in peace”

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A cheerful personality, a great leader and a simple human being, who always welcomed us with her compassionate smile, Dr. Padmavathi, whom we dearly called Padma Ma’am, encompassed all these qualities. My experience of working under her dates back to 2016, when I had all the fears and confusions like every other researcher and she had given me the courage to fight my fears and face all challenges that I came across my research work. with her infinite wisdom and patience. It is said that we don’t realise the value of an eye until we loose one, and the sad demise of Padma Ma’am reminds us how concerned she was about her students, how she wanted all her students to be strong, independent and self-sufficient. She used to say that it is ok to fail at times but to never give up , so that your victory will be sweeter in the end. Her motherly nature, care and concern was not only for her students, but also for their families and her colleagues. Ma’am wished the best for her department and the institution and worked hard towards it. Always ready to discuss about our research work or for corrections, anytime we walked into her room she welcomed us, even during times of her ill health, she never denied to help us. In my heart you hold a place no one else will ever fill. My prayer for you is that may you continue to be happy and find eternal peace in this new journey! Pranam!

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## JAIN RESEARCH RETREAT 2018 — A Report

The Annual Research Retreat at JAIN provides a wonderful platform for Research Scholars and Guides across disciplines to come together. This year's Retreat was held on the 17<sup>th</sup> and 18<sup>th</sup> of November. More than 75 Guides and 250 Ph.D students participated in the Retreat. The Retreat had several Plenary Sessions, Faculty Plenary Talks and Concurrent Sessions at which scholars presented progress of their research.

The Retreat was inaugurated by the President of the JAIN Trust, Dr. Chenraj Roychand. He complimented the scholars for the quality work that they are involved in and encouraged them to aim at higher levels of excellence and achievement. He encouraged them to look beyond a mere degree and focus on the larger contribution that they make to society and knowledge creation. He highlighted some achievements and opined that these must be trend-setters and an inspiration for the future. Speaking on the occasion, the Chancellor-



*President of JAIN Trust, Dr Chenraj Roychand delivering the inaugural address.*

Dr. Krishna Das Nair, appealed to the researchers to focus on product innovation and pursue research more from the angle of expanding the horizons of knowledge rather than merely securing a degree.

The three plenary speakers at the Retreat brought to the discussion a range of issues of critical significance. The first plenary speaker was Dr. Shailesh Naik, the Director of the National Institute of Advanced Studies (NIAS). He focused on the 'Blue Economy' and the emerging importance of the sea. Drawing from varied examples, he highlighted how the 'Blue Economy' represented the world of tomorrow. The Chancellor of JAIN, Dr. Krishna Das Nair chaired the session.

The second plenary session speaker was Dr. Anup Pujari, Chairman of the Karnataka Skill Development Authority and a distinguished civil servant. Focusing on Due Diligence in Research, the speaker kept the audience spell bound with his style of presentation and the range of examples he took. Dr. Mithileshwar Jha, Pro VC, JAIN, chaired the session.

The third and concluding Plenary was addressed by Dr. N. V. Varghese, the Vice Chancellor of NIEPA, Delhi. He spoke on Research on Higher Education and its Implication for Policy Making. Drawing from empirical evidence, Dr. Varghese demonstrated how one notices selectivity in terms of inputs that are used by policy makers when deciding education policy. Dr. M. K. Sridhar, a Member of the Education Policy Committee constituted by the Government of India, who chaired the Session, spoke of the need for revitalizing the University education system with a premium to be placed on research.





*Dr. Shailesh Naik being greeted by Dr. Krishna Das Nair*

*Dr. Anup Pujari interacting with the audience*

The Retreat saw the participants break up into Faculty Plenary sessions also. These included a Science Plenary led by Dr. Geetha Bali, a leading Biotechnology researcher and former Vice Chancellor of Karnataka State Women's University. She highlighted the challenges in undertaking research in the domain of science.

Dr. S. Y. Kulkarni, the Vice Chancellor of REVA University addressed the Engineering Plenary session and focused on contemporary trends in Engineering Research. Reflecting on his personal experiences, Dr. Reji George from IIM, spoke of the joys and challenges of undertaking research when addressing Management scholars.

The last Faculty Plenary was in Social Sciences and Humanities and was addressed by Dr. Cheriyan Alexander a leading English Professor who spoke on the need for Interdisciplinary in the study of Humanities.

Doctoral scholars presented the progress of their research work at more than twenty five concurrent sessions. They received feedback from experts and outlined their research road map for the next year. Doctoral supervisions and Alumni also lead a range of Breakout sessions where they reflected on important themes of general research interest.

Researchers of the University also showcased their cultural talent at an hour long cultural programme.

For more video reports on the JAIN RR2018 do visit the JAIN Facebook Page at <https://www.facebook.com/Jainuniversityofficial/>



*Dr. Varghese delivering his lecture. Dr M. K. Sridhar who chaired the session is at extreme right*



*JAIN Students enthralling the audience with their Cultural Programme*



## JAIN RR2018 - Inaugural Session



The Inaugural Plenary began with an invocation to the divine by Ph.D Scholar, Chethana Achar followed by the lighting the lamp. Dr. Sandeep Shastri, Pro-Vice Chancellor and Director, CERSSE, JAIN welcomed everyone especially the esteemed dignitaries Dr. Chenraj Roychand, President, JAIN Trust, Dr. C.G. Krishna Das Nair, Chancellor JAIN and Dr. Mithileshwar Jha, Pro-Vice Chancellor JAIN. In his welcome remarks he congratulated 'Team Research' which made each *Jainite* feel utmost responsible towards the goal of achievement along with the Institution. So echoed the Chancellor's voice of inspiration that said that a dream comes true for JAIN whenever a member of it's family gets awarded a degree. The quality, nature and intensity of the work gets prior importance in a research journey and the JAIN Research Program gives a priority to all those in the Research

agenda amidst taking care of all possible aspects of technical and moral support.

The hard work, passion and dedication for a research should indubitably be contributory for society and nation building, as Dr. Roychand opined. JAIN nurtures an ecosystem of support and motivation for its research scholars that helps them to remain persistent, motivated, energised and oriented towards their goal. The 'Circadian Rhythm' of a research scholar becomes compatible with the strenuous journey of research and in this journey, no inconvenience should be a barrier. The self motivated and passionate researcher may face the withdrawal syndrome but that needs to be handled in a positive way and JAIN always extends it's support towards the scholars to get out of the mid Ph.D crisis.

Research is a lonely path to travel but the researcher is never alone in this long way to its destination. Research is a dream that is made to come true together, a journey that is travelled together, the hurdles those are crossed together and the joy that has been shared together. Dr. Priyanca Mathur, Associate Professor, CERSSE, JAIN finally extended her thanks to all the dignitaries on behalf of the participants and the University at the end of the programme.

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## JAIN RR2018 - Plenary Lecture I

**Speaker: Dr. Shailesh Naik**, Director, NIAS, Bengaluru

**Theme: *Towards Blue Economy: An Indian Perspective***

**Chairperson: Dr. C. G. Krishna Das Nair**



Dr. Shailesh Naik began the session by stressing on a point that life began in ocean. He insisted that the ocean needs to be protected from pollutants that affect the aquaculture, coral reefs by providing a sustainable, sociable development and eco-friendly tourism. His observations over a period of time was fish migration from states like Kerala and Tamil Nadu to Maharashtra and Gujarat mainly due to environmental conditions. He spoke about how the Indian government has set up a fine system to help fisherman for expedition by sustaining them with the required equipment's and how it has improved the country's economy by creating employment opportunities for fish breeding and pearl cultivation.

The importance to expedite deep sea fisheries, continental shelf for resources along with the need to improve the technology to generate drinking water from sea that was essential was brought to notice. He also mentioned about the abundant source of potential candidates for drug discovery, marine algae as a source of bio-fuel and minerals that the ocean has to offer along with setting up of industries that process the products that can be released to the public domain. He brought to light about India, being a pioneer to investigate poly-metallic nodules and improvement of deep-sea technologies to support the work in progress. He also spoke about the OBIS (Ocean Biogeographical Information System) that relays information about oceanic life, mainly cyclone monitoring. He also showed the audience his involvement in designing artificial rifts along the shores of Pondicherry as part of protection measures. He finally concluded the session by stressing on the importance of a comprehensive ocean policy, the need to understand ecosystem and more importantly the dependence on ocean for a sustainable future.

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## JAIN RR2018 - Science Faculty Plenary Session

**Speaker: Dr. Geetha Bali**, Former Vice Chancellor, Karnataka State Women's University

**Theme: *Approaching Challenges in Research***

**Chairperson: Dr. Geetha Balakrishnan**, Director, CNMS, JAIN

Dr. Geetha Bali initiated her lecture sharing the general aspect that characterised research and explained research as “to see what everybody else had seen and to think what nobody else had thought”. Explaining the importance of education in general and research in particular, the seasoned academician emphasised that knowledge evolving from any such pursuit facilitates students with the necessary skills that help them become productive and responsible citizens. A researcher as an individual not only improves at a personal level but also contributes immensely to the progress of the nation.



According to Dr. Bali, a person who does research inculcates the habit of observations as research nurtures critical thinking, helps develop analytical and practical skills, solve simple and complex problems thereby enables such individuals to take sensible decisions based on available information. Speaking on the basic requirements for research, Dr. Bali shared her vast experience working as a researcher in Institution of national and international repute. In her capacity as a research guide and reviewer of several government funded projects, she said that the fundamentals of any research revolves around the topic chosen which is reflection of the relevant questions that remained unanswered in previous studies. Speaking on the importance of literature survey, she said that background research helps a researcher with the hypothesis preparation, undertake the experiments, and collect data related to the topic to test the hypothesis. Through the entire length of this informative lecture, Dr. Bali repeatedly emphasised on the quality of research and that the methodologies employed in an individual's research should be of the highest order so that the results are reliable, reproducible and adoptable for further studies. She urged her audience to be aware and sensitive to the development around and concluded her speech quoting John Armstrong “*Aside from the pure pursuit of knowledge for its own sake, research is linked to problem solving*”. She thus conveyed to the listeners that the main aim of any research undertaking is to provide the best of the solution to some of the global problems and also to enhance our knowledge. Research requires analysing a problem, to churn out something useful to all. No research is terminal as every research only opens further avenues for research.

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## JAIN RR2018 - Engineering Faculty Plenary Session

**Speaker: Dr. S. Y. Kulkarni**, Vice Chancellor, Reva University

**Theme: *Emerging Trends in Engineering Research***

**Chairperson: Dr. Hari Prasad**, Director, SET, JAIN

Dr. S.Y. Kulkarni chose to speak on “Emerging Trends in Engineering Research” and delivered an absorbing and interactive session where he spoke at length on the different types of research and its relevance to today’s economy. He presented the Innovation matrix comprising of Breakthrough Innovation, Basic Research, Sustaining Innovation and Disruptive Technologies. These types of Innovations emerge out of a clear understanding of the problem domain and its definition. Breakthrough innovation arises when the problem is well defined and the domain is not well established. It is characterised by no pre-established work, performed by mavericks, and leads to open innovation. Internet technologies in the 1990’s which has today lead to wireless technologies is an apt example of Breakthrough innovation.



Sustaining innovation emerges when both problem definition and domain understanding is well defined. This type of innovation is usually pursued by R&D labs, product based companies, usually outsourced and rarely leads a company into Bankruptcy. Sustaining Innovation is undertaken by companies to maintain their products to meet current and future customer needs. Basic research is undertaken by academicians and concentrates on problem statements which are not well defined and technology also is not very mature. Dr Kulkarni spoke at length on disruptive innovation that can potentially lead a company to bankruptcy. He emphasised that companies must be watchful to adapt their products to meet the three characteristics of disruptive research which include the technology must meet current customer needs, be simple to use and be affordable to ensure that their products make a business impact in a volatile business environment. He also presented several examples of companies (Kodak, Blockbuster, Border stores, DEC) filing for bankruptcy due to their inadequacy of adapting to change.

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## JAIN RR2018 - Social Sciences Faculty Plenary Session

**Speaker: Dr. Cheriyan Alexander**, Professor of English (Retd) St. Joseph's College, Bengaluru

**Theme: *Porous Boundaries: The Need for an Interdisciplinary Orientation for Social Sciences and Humanities Research***

**Chairperson: Dr. Mythili P. Rao** Dean, Languages, JAIN

The session began with Dr. Sandeep Shastri, Pro-Vice Chancellor and Director, CERSSE, JAIN, introducing Dr. Cheriyan Alexander. Dr. Alexander's stimulating presentation focussed on how research in the Humanities and Social Sciences has witnessed, in the recent years, a shift in its thrust from being voluntarily insular and compartmentalised to becoming increasingly interdisciplinary. This shift, he opined, has reconfigured academic cartographies. The emphasis of his presentation was on the importance of developing skills of lateral thinking instead of confining oneself to linear thinking when engaged in research. Instead of letting one's explorations be directed by a single theoretical framework, the researcher must, at least in the early stages of research, allow free play to multiple disciplines and multiple theoretical perspectives and let them "bleed into" or "leak into" each other before finally settling on a coherent trajectory.



Drawing on some celebrated instances from the lives of great researchers that ranged from classical times to the present and cutting across disciplines, the presentation was punctuated with anecdotal accounts of his experiences with research. The presentation concluded with him suggesting that the enterprise of research was essentially the same in 'Sciences' and Humanities. His insights striking a balance between addressing the anxieties such of them who were in the initial period the early stages of their research and also the concerns of such who were in the advanced stages were immensely useful to the researchers. The free-flowing and conversational nature of the presentation lent itself very easily to creating an encouraging environment for an interactive session that was marked by a remarkable degree of informality. This, in effect, contributed to the audience, comprising of researchers from diverse disciplines, participating actively. Dr. Mythili Rao, Dean, Languages, on behalf of JAIN, proposed the vote of thanks which drew the curtains on a thought-provoking talk.

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## JAIN RR2018 - Management Faculty Plenary Session

**Speaker: Dr. P. Reji George**, Professor, IIM, Bengaluru

**Theme: *A Research Journey at the Intersection of Strategy, Corporate Governance and International Business***

**Chairperson: Dr. Alok Jain**, Head—New Initiatives, JAIN

Dr. Reji George in his lecture summarised many key points. He pointed out that research and the culminating research paper is at times an institutional requirement and hence, Institutions expect that researcher publish research papers in recognised journals. Initially the realm of Strategic Management was influenced largely by Economics but now there are increasing inputs to from Sociology and Psychology also and in fact, deep domain knowledge of Sociology, Economics and Psychology are an advantage.



He added that the idea of research subject should be novel and original. Although some researches tend to be esoteric, the ideas could be generated from the world of practice as well. A research gap should be identified and then it should be discussed as to why it is important to fill the research gap. Since leading journals tend to favour rigour, one must focus on narrow domain rather than spreading the research canvas wide. Introduction in a research paper is very important. First couple of paragraphs are also important because they set the tone, should include the issue addressed in the paper and the current state of art as far as the topic is concerned. Candid feedback from reviewers who are peers enhances the quality of manuscript. Rejections are a part and parcel of publishing in reputed journals and one must persevere and stick to the original ideas constructively.

The researcher should choose an idea which he is passionate about. Inadequate motivation for research and ambiguous research questions are some of the reasons for failure to succeed in publication process. Taking a leaf from his personal journey, he said that, it has been constant learning experience. He has had some success in publishing but has faced many more failures which are not seen and counted. He has written on Corporate governance, Strategy, International, Business, Institutional and National Culture. He said that IIMB gave him the environment to research and publish quality papers. He emphasised that Institution should support authors and researchers by providing the correct environment and the required research funding.

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## JAIN RR2018 - Plenary Lecture II

**Speaker: Dr. Anup Pujari**, Chairman, Karnataka Skill Development Authority

**Theme: *Due Diligence in Research***

**Chairperson: Dr. Mithileshwar Jha**, Pro-Vice Chancellor, JAIN

Dr. Anup Pujari commenced his talk with a story of Urmila Mahadev, graduate student of University of California, to drive in a point that researchers must look at *doing different things*. Urmila Mahadev, a student of Computer Science, took eight years to complete the Ph.D to do different things. Her work on a break-through algorithm is still considered to be a valuable work in the domain of Quantum Computing.

The story of Urmila was supplemented with stories of several Field's Medal Winners to establish required *conviction and passion* among research scholars. Dr. Pujari, centered on the topic *Due Diligence in Research*, through several examples to explain how one can avoid confirmation bias. Firstly, the readers and stakeholders must be looking at what is the message rather than who is the messenger – in a way to explain that one must look at value of the research than who is the researcher. Secondly, scholars give lot of importance for who the publisher is than what the research is. Thirdly, scholars get carried by correlation, instead they must *establish causality*.

Due diligence as a mandate in research was explained with another story of Alberta Public Health Department on how they had *conviction* to achieve they believed in. *Believing in oneself* is a required quality of scholar to achieve due diligence in research, Dr. Pujari opined. He referred to a case of a scholar's work on 4,00,000 knitters to study what turned hobby into business. The scholar never lost the faith in herself to complete the work with such large sample size. Believing in oneself as a quality makes a scholar produce something that is desired and valued by others. Dr. Pujari touched upon another ingredient on due diligence – *Mindfulness*. He explained how relentless practice leads to better effects of mindfulness. Dr. Pujari in his concluding remarks touched up on other aspects of due diligence in research, namely how to *avoid subjectivity* and maintain focus on objectivity, how one must always be *optimistic* and transmit happiness and how one can *avoid negativity instinct* in research.



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## JAIN RR2018 - Plenary Lecture III and Valedictory Session

**Speaker: Dr. N. V. Varghese**, Vice Chancellor, NIEPA University

**Theme: *Empirical Research and Policy Making in Education***

**Chairperson: Dr. M. K. Sridhar**, Member, New Education Policy (NEP) Panel

Dr. N.V. Varghese began by expressing his delight upon seeing so many researchers from different segments/ multi-disciplines and then threw light on *what* empirical research does in education policy making. Tracing the development of education globally he highlighted the development of the same in India. He spoke about the elitist nature of the policy drafted by the first Education Commission of India in 1964 and then he added that the impact of globalisation ensured that education became a commodity, which was not limited to any particular boundary. He further added the movement of students to universities abroad began heralding the education drain and also saw a quantum jump in student loans. Thus the nature of change was inevitable. Later institutions themselves began to move opening new branches in different destinations creating student hubs. The last few years also saw movement of teachers and professors to areas of better opportunity.



However, he pointed out that Indian institutions are not respected as much as Indian teachers are. In his opinion the Government should link education research to economic development and focus on three forms of knowledge protection :- a) Teaching and research should be linked b) Research specific institutions should be encouraged and c) Academy of Sciences should be expanded. When knowledge is protected investments increase because then it becomes more profitable to invest. In India we have more of teaching Institutes rather than research institutions he lamented. Research enjoys a better status in developed countries rather than the developing with China being an exception. Today sadly teaching is still not a first choice of a profession. Relying on research to guide policy is useful because it is logical, generates empirical evidence and results are verifiable. The immediate impact of research is difficult to locate and immediately relevant results cannot be expected, the evidence collected does not die and will remain useful for further researchers. The results can be used to scale up to other states and areas.



He added that Indian research especially in social sciences is conducted by three parties namely a) Universities - which use only secondary data b) Institutions - which uses both primary and secondary data and c) NGOs, who confine to only certain interest areas and whose data sometimes is questionable

Hence evidence banks must be created through multiplicity of research carried out. Dr. Varghese in his conclusion mentioned that institution professors are made members of committees to use their research experience to frame effective policy. He also observed that it is rather ironical that Departments other than Education have contributed more to higher Education than Universities or Education Departments.

In his remarks as Chair of the session, Dr. Sridhar stressed on the potential of researchers. Complementing the speaker on coherently presenting the topic to the audience he agreed that evidence building leads to good policy making. Stating that the New Education policy will be out soon, he urged the audience to indulge in complete reading of the document since they are all stake holders in the policy as researchers. The policy addresses all issues concerned and has taken 18 months to be completed he added. The journey of the researcher should not end at the Ph.D is what he opined. Is Ph.D the beginning or the end of research is for the researcher to decide. Meaningful research is thinking, doing and getting. Clarity of thought leads to good action and action leads to outcome which benefits self, Institution and society. Marriage of these three is a must for better results. He closed his remarks saying open mindedness makes one a better researcher and distinguished guides give distinguished researchers.

Finally the Best Papers presented at the Retreat were awarded by the distinguished panelists following which Dr. Mythili P. Rao, the Convener of the Research Retreat and Dean, Languages, JAIN, extended her formal vote to thanks to all.



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## JAIN RR2018 - Breakout Sessions and Concurrent Sessions

At the Research Retreat this year 243 scholars presented their ongoing research work in Concurrent Sessions that were held in 27 rooms, across the two days. These Concurrent Sessions were held faculty wise. There were five faculties namely 1. Engineering, 2. Sciences, 3. Humanities & Social Sciences, 4. Languages, 5. Management & Commerce. There were also 14 Breakout Sessions conducted by Faculty Members that were divided 7 per day on each of the two days of the Retreat held simultaneously in parallel rooms.

*Breakout Sessions in progress*



*Concurrent Sessions in progress*



## Ph.D Thesis Awarded - September to November 2018

NAME	SUBJECT	TITLE OF THE THESIS
Anil B Gowda	Computer Science	Information and Service Flow Modeling and Performance Analysis of Cloud Supply Chain Networks (CSCN)
M Jahir Pasha	Computer Science and Engineering	Certain Reliability Growth Models for Debugging in Software systems
Hiremathad Asha	Chemistry	Multifunctional Conjugated Compounds as Anti-Alzheimer's Disease Agents
Neetu Israni	Microbiology	Studies on Polyhydroxyalkanoate production from <i>Bacillus</i> species
Soumya Ravikumar	Biotechnology	Studies on Oxidative Stress in Erythrocytes of stored blood
Hema Srinivasan	Management	Empowering Women Entrepreneurs in Agriculture and Education Sectors in India through Microfinance Innovations
Santhosh Kumar D R	Electronics Engineering	Mathematical Modeling of Biomarker and Performance Analysis of Nanodevice as Biosensor for Cancer Detection
B P Pradeep Kumar	Electronics Engineering	Framework of Cost Effective Hand gesture Recognition system

R Anguraja	Electrical and Electronics Engineering	Fem Based studies of Electric field of Transformer Bushing
Rajeshwari D S	Electronics Engineering	Design and Analysis of High Performance Charge Pump for Digital Phase Locked Loops
Nagabhushana H M	Electronics Engineering	Development and Characterization of Ultra Wideband Patch Antenna for Wireless Communication
Manoj H M	Computer Science and Engineering	Schematic Modeling of Software Metrics for Ranking Code Reusability in Software Engineering in Object Oriented Design Stage
Lynette Lincoln	Biochemistry	Microbial production and purification of Industrially Important Carbohydrases
Paramesh D Jolad	Cultural Studies	Drushyabhivyaktiyalli Samyojaneya Pramukhyate - Bharatiya Samakaalina Chitrakaleyannu Kuritu Ondu Adhyayana
Kannamani R	Management	An Analysis and Effective implementation of Matrix Organization in it Outsourcing Industry

## Achievements and Publications

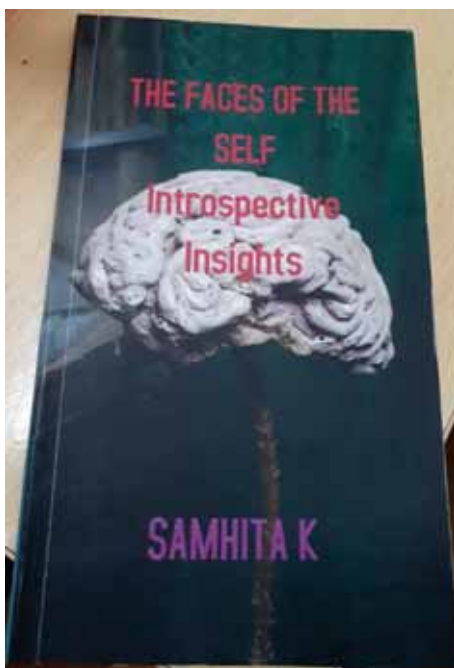
**Samhita K**, Ph.D Research Scholar in Psychology has published a book titled *The Faces of the Self: Introspective Insights*. It was printed by Padmashree Printers in 2018. ISBN 978-93-5321-681-8.

**Amthul Muqheet**, Ph.D Scholar in Mathematics, August 2017 Batch is participating in an Advanced School on “Lie groups and Lie Algebras” scheduled to be conducted on December, 2018 at Harish Chandra Research Institute, Allahabad. This is by selection only.

The Patent Application filed by **Sundar Subramanian**, Ph.D Scholar in Mechanical Engineering has been published in the Patent Office Journal. His Patent Application Number is 201841038029

**Er V Jagannatha**, Research Scholar, August, 2015 batch had presented a scientific paper titled “Role of Space and APELL for Disaster Management” at IAC 18 at Bremen, Germany on October 1-5, 2018.

**Arati Rao**, Ph.D Co-ordinator, Music, Department of Performing Arts, Music and Dance, School of Humanities and Social Sciences, JAIN (Deemed-to-be University) was given a memento by the Indian Musicological Society, Mumbai during the release of a special issue of their journal dedicated to the research area of “Laya in Carnatic Music”. She had been invited to contribute an article to the journal. The journal was released on 21st October 2018 in Chennai.







## Responses to Thinklet Issues

Dr. Subhashini Muthukrishnan

Thanks for the last *Thinklet*. You have touched upon a very relevant topic requiring attention to support scholars. Managing time and resources is important to carry out and complete research in its best form. I am sure inputs on these will be helpful to scholars.

ARTICLES FOR NEXT ISSUE SHOULD BE SENT BY **20th DECEMBER 2018** OF NOT MORE THAN **250 WORDS**

PLEASE INCLUDE YOUR NAME, E-MAIL ADDRESS AND THE KNOWLEDGE DOMAIN OF YOUR INTEREST.

### *Team Thinklet*

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