



RINS

Indian Research Information
Network System

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Scientist B
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How are research related information shared or disseminated?

- ✓ HR system
- ✓ Grant Management System
- ✓ Institutional repositories
- ✓ Preprint archives
- ✓ Publishers Website
- ✓ Academic Identity registry
- ✓ Citation databases
- ✓ Social Media Repository



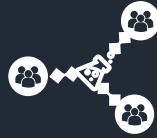
The Challenges in the research eco-system



Research activities not discoverable or interoperable



Publications do not necessarily reflect expertise



Hard to find the right experts



Increased expenditure on citation database / CRIS



Difficult to retrieve research related metadata for assessment

Driving Force to adopt Faculty and Institute Profile System

- ✓ Research Assessment Exercise (RAE) & REF -UK 1986
- ✓ University-led research assessment -Netherlands (1990s)
- ✓ Research Assessment Exercise -Hong Kong (1993)
- ✓ National Assessment and Accreditation Council –(1994)- India
- ✓ National Board of Accreditation (NBA) -1994
- ✓ Performance-Based Research Fund - New Zealand (2003)
- ✓ Research Quality Framework 2003 & Excellence in Research for Australia (2009) - Australia
- ✓ National Institute Ranking Framework (NIRF) –India (2016)





Solution



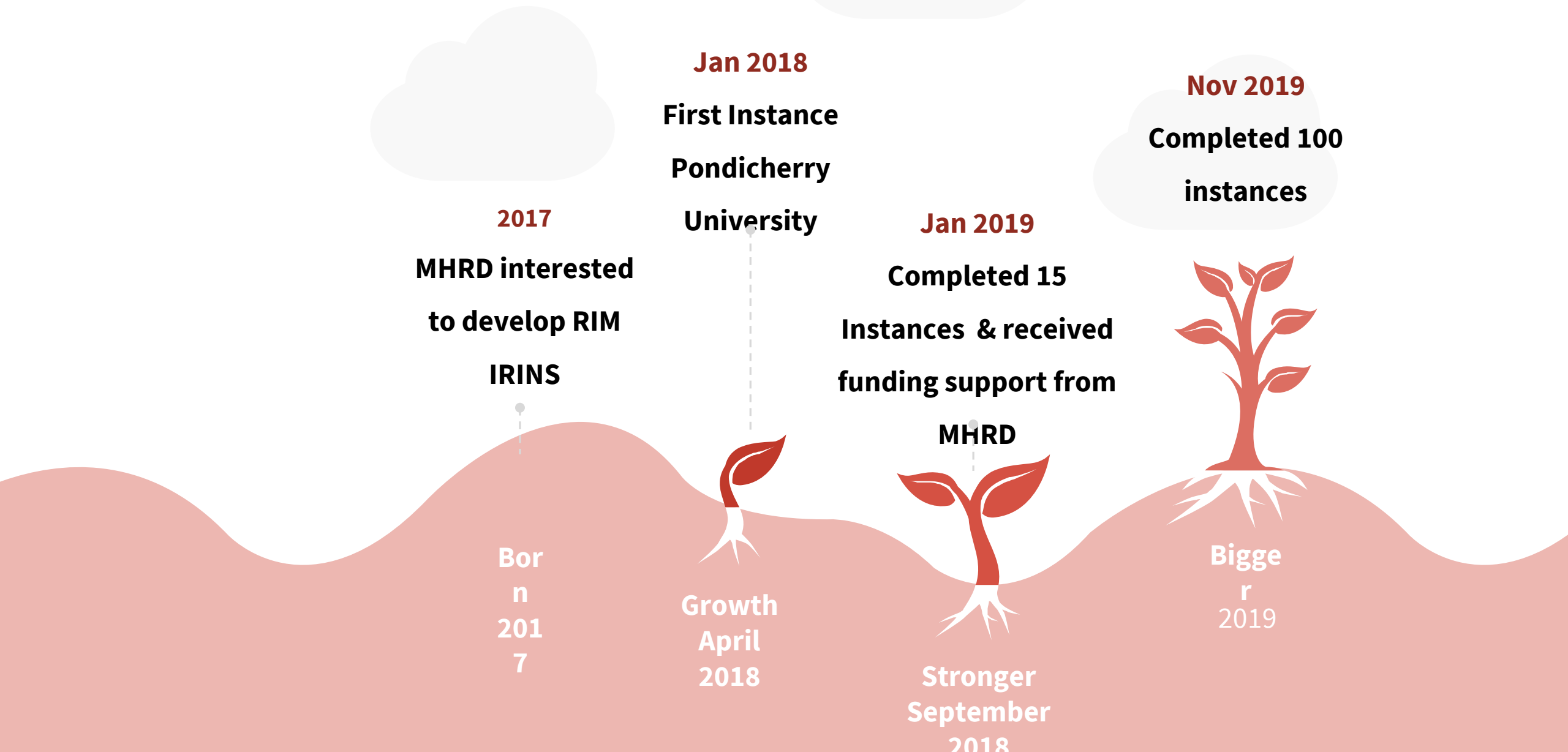
IRINS

Indian Research Information
Network System

<http://irins.org>

- ✓ **Developed by:** Central University of Punjab, Punjab & INFLIBNET Centre
- ✓ **Financial Support:** National Mission on Education through ICT, MHRD, Govt of India ;
- ✓ IRINS is available as “software as service” for all the Higher Education Institutions and R&D organisation in India
- ✓ **Future:** Provide RIM as service to Global Academic Community

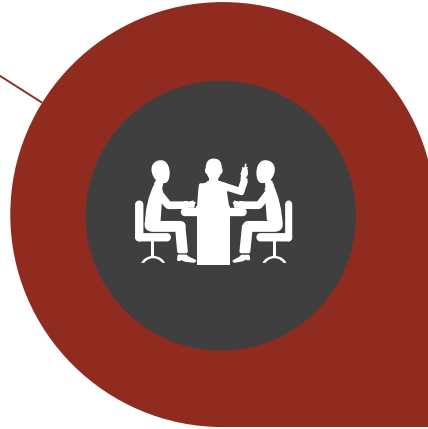
Birth and Journey of IRINS



Strategy to Populate IRINS

Policy Decision

Ministry of Human Resource Development (MHRD) communication to all the degree awarding institute to implement IRINS



Success Story and word of mouth

Scholars writing articles on IRINS and early implementor showcase their instances in the professional conference and spread through word of mouth.



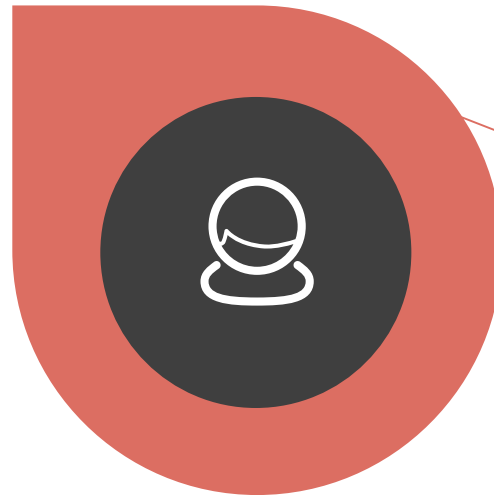
Promotional activities

Participate in conference and conduct regional level workshop to identify nodal officer and promote IRINS

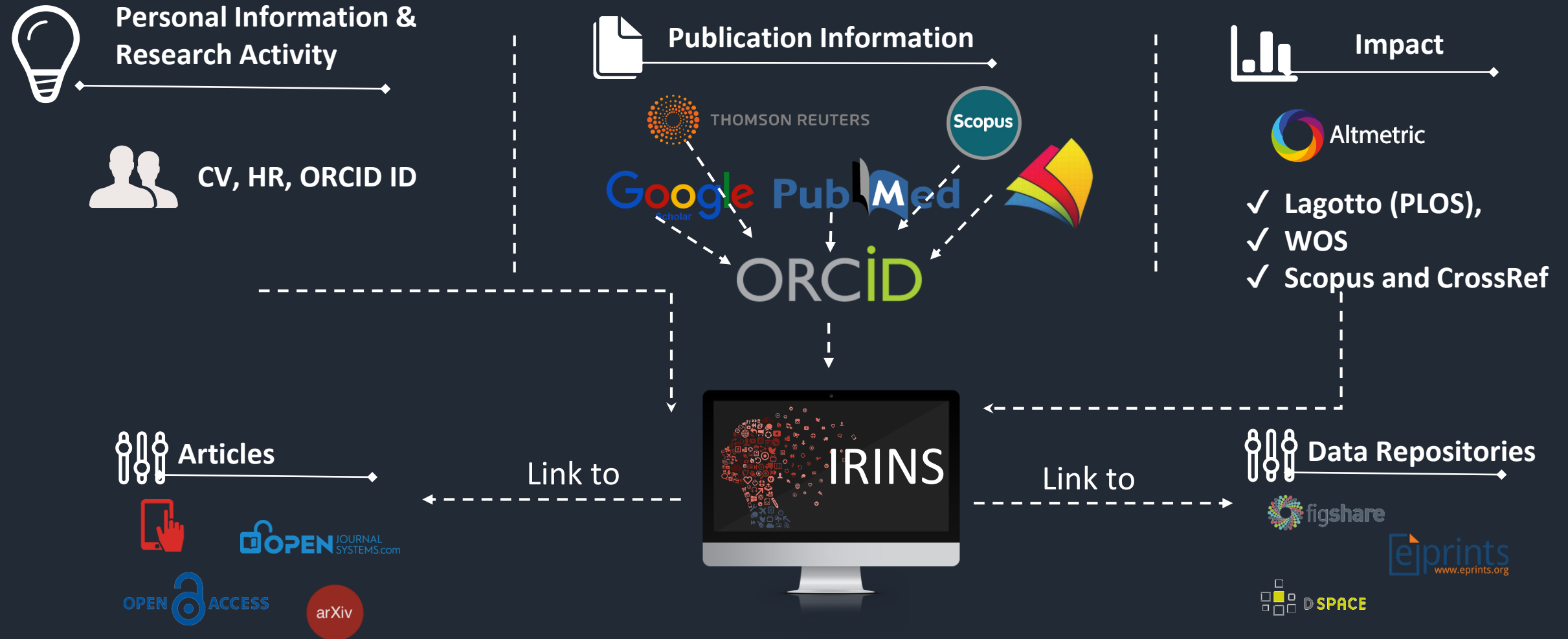


Voluntary

R&D organisation and information professional come forward to create IRINS



IRINS Data workflow



Key Features and Functionalities



Dashboard

- ✓ Manage profiles
- ✓ Import profile information
- ✓ Generate report



Academic Identity

- ✓ Integrated with Academic Identity to systematic update of publications.



Citation

- ✓ Citation from **Scopus**, **CrossRef**
- ✓ Publication venue from **Crossref**
- ✓ OA articles link from **BASE** Search.
- ✓ Citations from Dimension



Search

- ✓ SOLR based faceted search with number of filters to find an expert



Analytics

- ✓ Research progress of the faculty, department, institute (publication)



Network

- ✓ Co-author network based on publication collaboration



Social Media Metrics

- ✓ Social media metrics from Altmetric.



Link to IR

- ✓ Full text Article link to Institutional repository & domain specific repository

What we have achieved?



100 +
Institutes



16330+
Faculty Members



390,279+
Publications



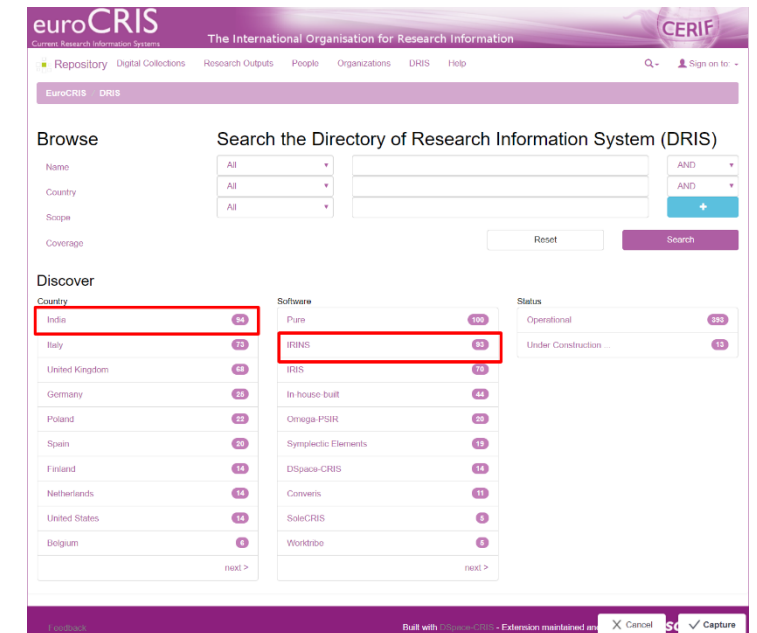
367,598
Closed Access
Articles



5,142,327
Citations



3,766,476
Citations



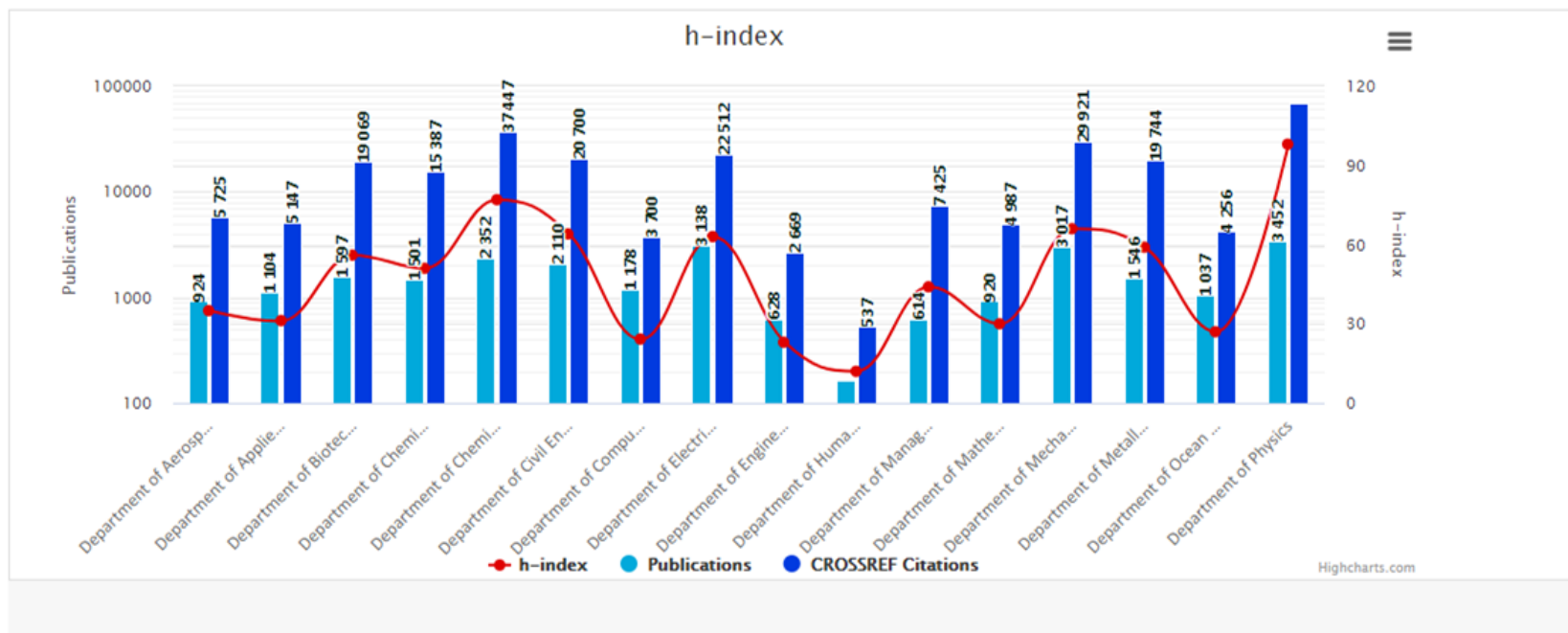


All Search for...

Faculty

Scholarly Resources

Resources Impact





Department of Chemistry

1635
Journal Articles

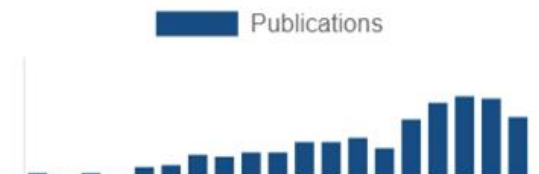
28
In Proceedings

6
Books

16890
Citations

17957
Citations

75
h-index



9

49

44

925



Dr. Mangala Sunder Krishnan

Professor and Head
Theoretical Spectroscopy: High
Resolution Molecu...

25 Articles

[View Profile](#)



Prof Ashok Kumar Mishra

Professor and Dean
Fluorescent molecular probes for micro-
and nano-s...

188 Articles 9 Projects

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Prof Upadhyayula V Varadaraju

Professor
Chemistry/Inorganic Solid State
Chemistry and Mats...

183 Articles 19 Projects

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Prof Archita Patnaik

Professor
Colloid and Interface Chemistry...

80 Articles 6 Awards

[View Profile](#)



Prof Sanjay Kumar

Professor
Computational Modeling of Organic
reactions & th...

[View Profile](#)



Prof Ranga G Rao

Professor
Surface chemistry and spectroscopy.
Solid state of...

53 Articles

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Prof Sundarababu Baskaran

Professor
Development of new strategies in
Organic Synthesis...

73 Articles 2 Awards

[View Profile](#)



Prof Pradeep Thalappil

Professor
Nanoscience and Nanotechnology,
Nanomaterials, Ica...

438 Articles 1 Projects

[View Profile](#)



Prof M.V. Sangaranarayanan

Professor
Statistical mechanics, Mathematical
modeling, Intefac...

122 Articles

[View Profile](#)



Prof K Vidyasagar

Professor
Inorganic Chemistry...

43 Articles

[View Profile](#)



Prof Indrapal Aiden Singh

Professor
Synthesis of Biologically/Medically
important mo...

1 Awards

[View Profile](#)



Prof P Bhyrappa

Professor
Bioinorganic and Supramolecular
Chemistry, Materis...

128 Articles

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Dr. R Dhamodharan

Professor
Polymer Chemistry : Controlled Radical
Polymerizat...

53 Articles

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Dr. Dillip Kumar Chand

Professor
Supramolecular Chemistry...

42 Articles

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Prof N Narasimha Murthy

Professor
Bioinorganic and Inorganic Chemistry,
Spectroscopy...

[View Profile](#)



Dr. G Sekar

Professor
Asymmetric Synthesis, Total Synthesis of
Natural P...

159 Articles

[View Profile](#)



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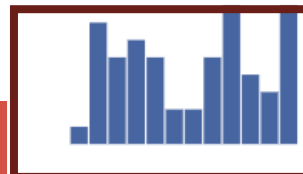
Edit Profile

Dr Pazhamalai Anbarasan

Associate Professor

Indian Institute of Technology, Madras

Publications 2005 - 2018



Publication Chart

Publications

All Publications - 56

56
Journal Articles

3
53

Citations / H-Index

Scopus
2627
CITATIONS

H
23
H-INDEX

CROSSREF
2562
CITATIONS

Google Scholar

CITATION
2960
Total

2366
(2013-)

H INDEX
26
Total

23
(2013-)

I-10 INDEX
41
Total

30
(2013-)

Publications count and Citation

Well-defined iron catalyst for improved hydrogenation of carbon dioxide and bicarbonate

Ziebert, C. and Federsel, C. and Anbarasan, P. and Jackstell, R. and Baumann, W. and Spannenberg, A. and Beller, M.

ARTICLE Journal of the American Chemical Society, Volume 134, Year 2012, Pages 20701-20704
DOI:10.1021/ja307904a

200
Citations

212
Citations

Integration of chemical catalysis with extractive fermentation to produce fuels

Anbarasan, P. and Baer, Z.C. and Sreekumar, S. and Gross, E. and Binder, J.B. and Blanch, H.W. and Clark, D.S. and Dean Toste, F.

ARTICLE Nature, Volume 491, Year 2012, Pages 235-239
DOI:10.1038/nature11594

178
Citations

182
Citations

Recent developments and perspectives in palladium-catalyzed cyanation of aryl halides: Synthesis of benzonitriles

Anbarasan, P. and Scharfina, T. and Beller, M.

ARTICLE Chemical Society Reviews, Volume 40, Year 2011, Pages 5049-5057
DOI:10.1039/c1cs15004a

285
Citations

285
Citations

A general cyclocarbonylation of aryl bromides and triflates with acetylenes: Palladium-catalyzed synthesis of 3-alkylidene-furan-2-ones

Wu, X.-F. and Sundararaju, B. and Anbarasan, P. and Neumann, H. and Dineau, P.H. and Beller, M.

ARTICLE Chemistry - A European Journal, Volume 17, Year 2011, Pages 8014-8017
DOI:10.1002/chem.201101083

29
Citations

32
Citations

A novel and convenient synthesis of benzonitriles: Electrophilic cyanation of aryl and heteroaryl bromides

Anbarasan, P. and Neumann, H. and Beller, M.

ARTICLE Chemistry - A European Journal, Volume 17, Year 2011, Pages 4217-4222
DOI:10.1002/chem.201003388

80
Citations

75
Citations

Novel C-H functionalization of arenes: Palladium-catalyzed synthesis of diaryl sulfides

Anbarasan, P. and Neumann, H. and Beller, M.

ARTICLE Chemical Communications, Volume 47, Year 2011, Pages 3233-3235
DOI:10.1039/c0cc04405a

46
Citations

46
Citations

Profile

Personal Information

Expertise Information

Experience

Education Qualification

Doctoral Theses

Publications

Academic Identity

iD
Orcid Id
0000-0001-6049-5023

Scopus Id
9845965200

R
Researcher Id
E-7054-2011

Academic
Identity

THANKS

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