



# **KONGU ARTS AND SCIENCE COLLEGE**

**(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)**

**ERODE – 638 107**

## **3.4.6 - Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the institution**



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ERODE - 638 107, TAMILNADU, INDIA.



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**Dr. N. RAMAN**  
Principal

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that the Bibliometrics of the publications during the last five years based on Scopus/ Web of Science – h index of the Institution is **08**. The year wise details are given below:

Academic Year		2021-2022	2020-2021	2019-2020	2018-2019	2017-2018	Grand Total
Publications	WOS	4	4	4	3	-	15
	Scopus	7	5	7	7	4	30
	Total	11	9	11	10	4	45
Cumulative h-index		Scopus : 8 WOS : 8 Average : 8					



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## Scopus

S.No	Title of the Paper	Name of the Author	Title of the Journal	Year of Publication	h-Index
1	Study on novel biopolymer electrolyte Moringa oleifera gum with ammonium nitrate	Chitra R	Polymer Bulletin	2022	6
2	Na-ion conducting biopolymer electrolyte based on tamarind seed polysaccharide incorporated with sodium perchlorate for primary sodium-ion batteries	Maithilee K	Ionics	2022	0
3	Lithium ion conducting biopolymer membrane based on kappa carrageenan with LiCl and its application to electrochemical devices	Chitra R	Materials Today: Proceedings	2022	6
4	Analysis of phytochemical constituents and antibacterial activity of Wrightia tinctoria: traditional medicinal plant of India for application on wound dressing materials	Meenu N.C	Indian Journal of Traditional Knowledge	2022	2
5	QSPR Modeling of Status-Based Topological Indices with COVID-19 Drugs	Nagarajan S., Priyadharsini G.	Polycyclic Aromatic Compounds	2022	1
6	Expediency of Investments in Real Estate Sector	Jayanthi M., Saravanakumar S.	ECS Transactions	2022	0



  
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7	Synthesis and characterization of Dextran, poly (vinyl alcohol) blend biopolymer electrolytes with NH <sub>4</sub> NO <sub>3</sub> , for electrochemical applications	Chitra R	International Journal of Green Energy	2022	6
8	Investigation of blend biopolymer electrolytes based on Dextran-PVA with ammonium thiocyanate	Chitra R	Journal of Solid State Electrochemistry	2021	5
9	Biosorption of reactive dyes by green synthesis of nanocomposite using moringa olifera	Selvi S.K., Nachimuthu S.	AIP Conference Proceedings	2021	3
10	Genetic epidemiology of autoinflammatory disease variants in Indian population from 1029 whole genomes	Vidhya A K	Journal of Genetic Engineering and Biotechnology	2021	4
11	Pharmacogenomic landscape of COVID-19 therapies from Indian population genomes	Vidhya A K	Pharmacogenomics	2021	4
12	IndiGenomes: A comprehensive resource of genetic variants from over 1000 Indian genomes	Vidhya A K	Nucleic Acids Research	2021	4
13	Gustafson-kessel clustering model to identify the high-level performers in educational domain	Thilagaraj T.	International Journal of Scientific and Technology Research	2020	0



  
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14	Wiener invariants of product of graphs	Nagarajan S., Priyadharsini G.	Advances in Mathematics: Scientific Journal	2020	1
15	Implementation of Fuzzy Clustering Algorithms to Analyze Students Performance Using R-Tool	Thilagaraj T	Lecture Notes in Networks and Systems	2020	0
16	Synthesis and characterization of iota-carrageenan biopolymer electrolyte with lithium perchlorate and succinonitrile (plasticizer)	Chitra R	Polymer Bulletin	2020	4
17	Photoluminescence and enhanced photocatalytic activity of ZnO nanoparticles through incorporation of metal dopants Al and Ca	Visali P	Optik	2020	1
18	Lithium ion conducting biopolymer membrane based on K-carrageenan with LiNO <sub>3</sub>	Chitra R	Ionics	2020	4
19	Crispification of temporal intuitionistic fuzzy sets	Radhamani C.	AIP Conference Proceedings	2020	1
20	Synthesis and characterization of biopolymer electrolyte based on tamarind seed polysaccharide, lithium perchlorate and ethylene carbonate for electrochemical applications	Chitra R	Ionics	2019	3



  
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21	Synthesis and characterization of iota-carrageenan solid biopolymer electrolytes for electrochemical applications	Chitra R	Ionics	2019	3
22	Investigation of seaweed derivative iota-carrageenan based biopolymer electrolytes with lithium trifluoromethanesulfonate	Chitra R	Materials Research Express	2019	3
23	Implementation of fuzzy C-means and fuzzy possibilistic C-means algorithms to find the low performers using R-tool	Thilagaraj T	International Journal of Scientific and Technology Research	2019	0
24	Wiener type indices of some composite graphs	Sharmiladevi G	AIP Conference Proceedings	2019	0
25	Implementation of fuzzy possibilistic product partition C-means and modified fuzzy possibilistic C-means clustering to pick the low performers using R-tool	Thilagaraj T	International Journal of Recent Technology and Engineering	2019	0
26	Fully recurrent deep neural learning based uncertain data clustering	Muruganantham S	Journal of Theoretical and Applied Information Technology	2019	0
27	Spectral clustering and vantage point indexing for efficient data retrieval	Pushpalatha R	International Journal of Electrical and Computer Engineering	2018	1



  
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28	Hilbert space relational scattered distance clustering for densely populated and sparsely distributed high dimensional data objects	Pushpalatha R	Journal of Theoretical and Applied Information Technology	2018	1
29	Solving fully fuzzy nonlinear programming with inequality constraints	Lalitha M	International Journal of Mechanical Engineering and Technology	2017	1
30	Designing and developing kurds based on inspiration derived from indian epics	Meenu C	Textile Trends	2017	2



  
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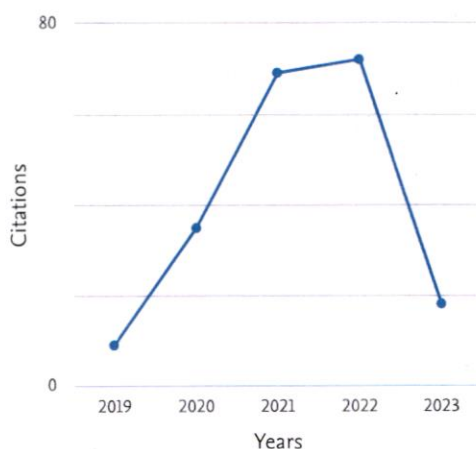
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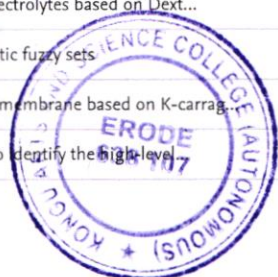
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<input type="checkbox"/> 2 Na-ion conducting biopolymer electrolyte based on tamarind s...	2022	0	0	0	0	1	1	2	0	2	
<input type="checkbox"/> 3 QSPR Modeling of Status-Based Topological Indices with COVID...	2022	0	0	0	0	0	0	0	0	0	
<input type="checkbox"/> 4 Expediency of Investments in Real Estate Sector	2022	0	0	0	0	0	0	0	0	0	
<input type="checkbox"/> 5 Lithium ion conducting biopolymer membrane based on kappa ca...	2022	0	0	0	0	0	1	1	0	1	
<input type="checkbox"/> 6 Analysis of phytochemical constituents and antibacterial act...	2022	0	0	0	0	1	0	1	0	1	
<input type="checkbox"/> 7 Synthesis and characterization of Dextran, poly(vinyl alcoh...	2022	0	0	0	0	5	0	5	0	5	
<input type="checkbox"/> 8 Biosorption of reactive dyes by green synthesis of nanocompo...	2021	0	0	0	0	0	0	0	0	0	
<input type="checkbox"/> 9 Investigation of blend biopolymer electrolytes based on Dext...	2021	0	0	0	4	5	1	10	0	10	
<input type="checkbox"/> 10 Crispification of temporal intuitionistic fuzzy sets	2020	0	0	0	0	1	0	1	0	1	
<input type="checkbox"/> 11 Lithium ion conducting biopolymer membrane based on K-carrag...	2020	0	0	0	0	0	13	13	0	13	
<input type="checkbox"/> 12 Gustafson-kessel clustering model to identify the high level...	2020	0	0	0	0	0	0	0	0	0	



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		Total	0	9	35	69	72	18	203	0	203
<input type="checkbox"/>	13 Synthesis and characterization of iota-carrageenan biopolyme...	2020		1	2	6	12	3	24		24
<input type="checkbox"/>	14 Photoluminescence and enhanced photocatalytic activity of Zn...	2020			4	7	9	1	21		21
<input type="checkbox"/>	15 Wiener invariants of product of graphs	2020							0		0
<input type="checkbox"/>	16 Implementation of Fuzzy Clustering Algorithms to Analyze Stu...	2020							0		0
<input type="checkbox"/>	17 Wiener type indices of some composite graphs	2019							0		0
<input type="checkbox"/>	18 Mitochondrial genome variations in idiopathic dilated cardio...	2019		1	2	6	3		12		12
<input type="checkbox"/>	19 Implementation of fuzzy C-means and fuzzy possibilistic C-me...	2019			1	2			3		3
<input type="checkbox"/>	20 Implementation of fuzzy possibilistic product partition C-me...	2019							0		0

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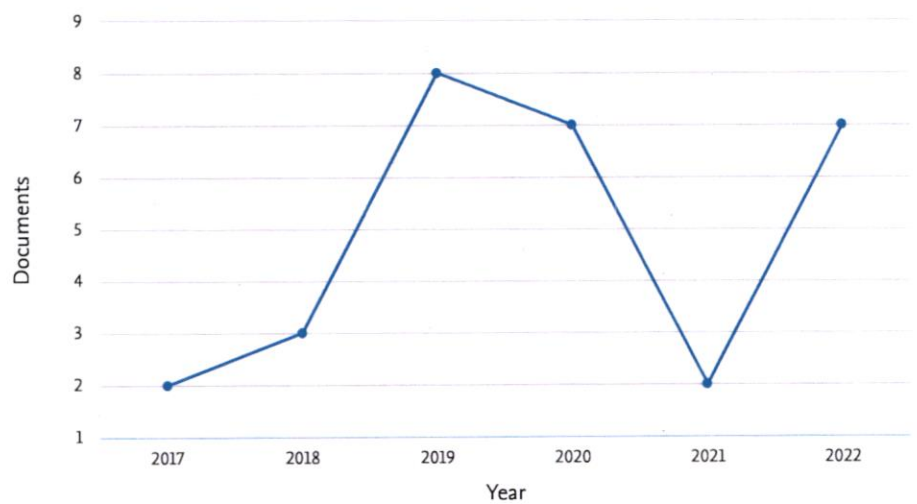
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2021	2
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2019	8
2018	3
2017	2

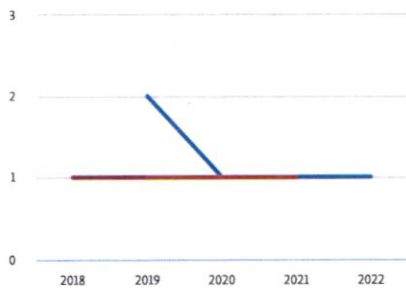
Documents by year



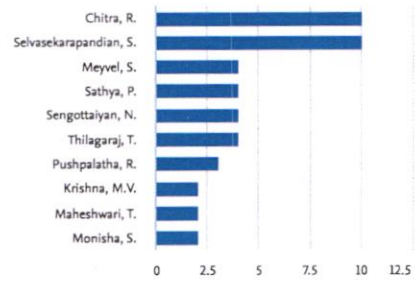
  
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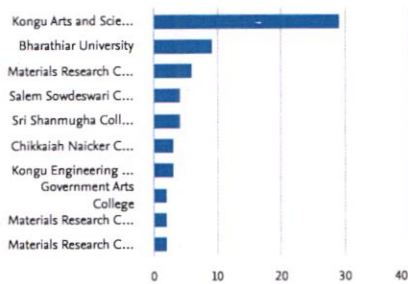
Documents per year by source



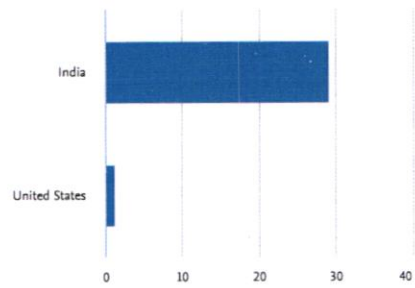
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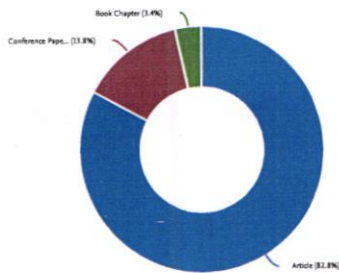
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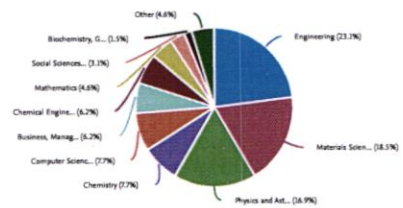
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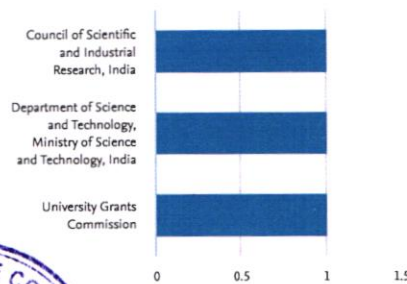
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## WEB OF SCIENCE

S.No	Title of the Paper	Name of the Author	Title of the Journal	Year of Publication	h-Index
1	Study on novel biopolymer electrolyte Moringa oleifera gum with ammonium nitrate	Chitra.R	Polymer Bulletin	2022	6
2	Na-ion conducting biopolymer electrolyte based on tamarind seed polysaccharide incorporated with sodium perchlorate for primary sodium-ion batteries	Maithilee.K	Ionics	2022	0
3	Synthesis and characterization of Dextran, poly (vinyl alcohol) blend biopolymer electrolytes with NH <sub>4</sub> NO <sub>3</sub> , for electrochemical applications	Chitra.R	International Journal Of Green Energy	2022	6
4	Analysis of phytochemical constituents and antibacterial activity of Wrightia tinctoria: traditional medicinal plant of India for application on wound dressing materials	Meenu.N. C	Indian Journal Of Traditional Knowledge	2022	2
5	Genetic epidemiology of autoinflammatory disease variants in Indian population from 1029 whole genomes	Vidhya A K	Journal Of Genetic Engineering And Biotechnology	2021	4
6	Pharmacogenomic landscape of COVID-19 therapies from Indian population genomes	Vidhya A K	Pharmacogenomics	2021	4
7	IndiGenomes: A comprehensive resource of genetic variants from over 1000 Indian genomes	Vidhya A K	Nucleic Acids Research	2021	4



  
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8	Investigation of blend biopolymer electrolytes based on Dextran-PVA with ammonium thiocyanate	Chitra.R	Journal Of Solid State Electrochemistry	2021	5
9	Lithium ion conducting biopolymer membrane based on K-carrageenan with LiNO <sub>3</sub>	Chitra.R	Ionics	2020	4
10	Synthesis and characterization of iota-carrageenan biopolymer electrolyte with lithium perchlorate and succinonitrile (plasticizer)	Chitra.R	Polymer Bulletin	2020	4
11	Photoluminescence and enhanced photocatalytic activity of ZnO nanoparticles through incorporation of metal dopants Al and Ca	Visali.P	Optik	2020	1
12	Investigation of seaweed derivative iota-carrageenan based biopolymer electrolytes with lithium trifluoromethanesulfonate	Chitra.R	Materials Research Express	2020	4
13	Synthesis and characterization of biopolymer electrolyte based on tamarind seed polysaccharide, lithium perchlorate and ethylene carbonate for electrochemical applications	Chitra.R	Ionics	2019	3
14	Synthesis and characterization of iota-carrageenan solid biopolymer electrolytes for electrochemical applications	Chitra.R	Ionics	2019	3
15	On Co-PI Index of Graphs	Sharmiladevi.G	Ars Combinatoria	2018	0



  
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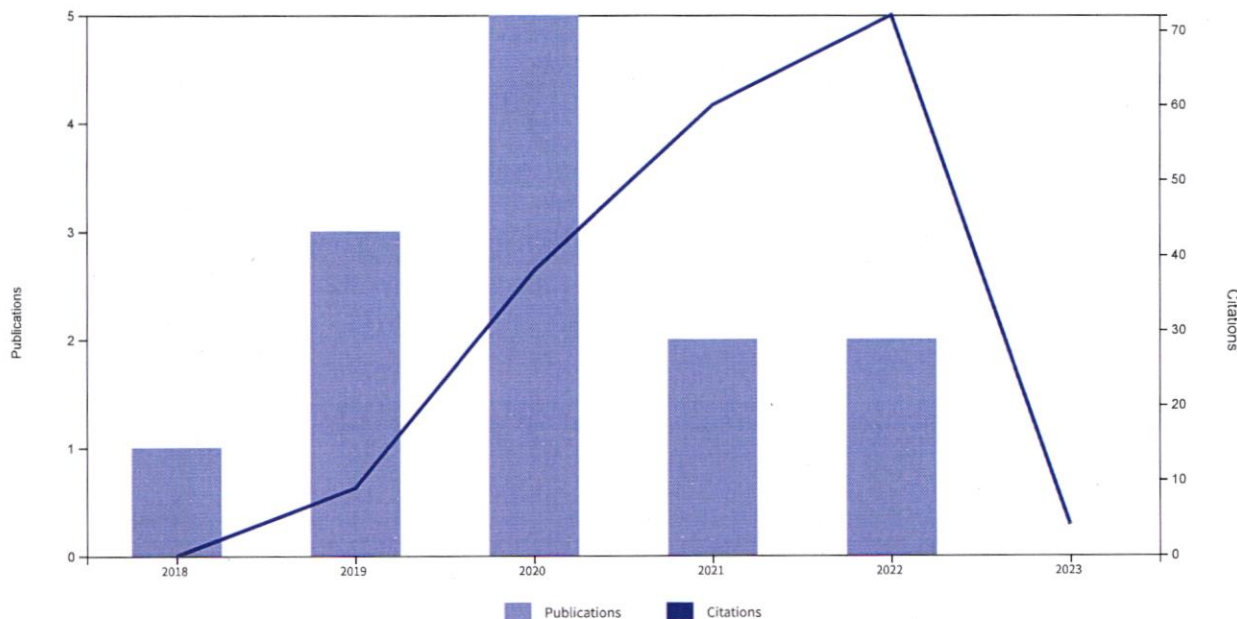
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H-Index

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13 Publications	Citations								
	< Previous year					Next year >		Average per year	Total
	2019	2020	2021	2022	2023				
Total	9	38	60	72	4	36.6	183		
1 Synthesis and characterization of biopolymer electrolyte based on tamarind seed polysaccharide, lithium perchlorate and ethylene carbonate for electrochemical applications Sampathkumar, L; Selvin, PC; (...); Muthukrishnan, M Mar 2019   IONICS 25 (3), pp.1067-1082	6	19	21	15	1	12.4	62		



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2	Synthesis and characterization of iota-carrageenan solid biopolymer electrolytes for electrochemical applications  Chitra, B; Sathya, P; (...); Meyvel, S May 2019   IONICS 25 (5) , pp.2147-2157							
3	Synthesis and characterization of iota-carrageenan biopolymer electrolyte with lithium perchlorate and succinonitrile (plasticizer)  Chitra, B; Sathya, P; (...); Meyvel, S Mar 2020   POLYMER BULLETIN 77 (3) , pp.1555-1579	0	5	6	12	1	6	24
4	Photoluminescence and enhanced photocatalytic activity of ZnO nanoparticles through incorporation of metal dopants Al and Ca  Visali, P and Bhuvaneshwari, R Feb 2020   OPTIK 202	0	3	8	8	1	5	20
5	Lithium ion conducting biopolymer membrane based on K-carrageenan with LiNO <sub>3</sub>  Mary, JA; Selvanayagam, S; (...); Ponraj, T Sep 2020   Jun 2020 (Early Access)   IONICS 26 (9) , pp.4311-4326	0	0	4	6	1	2.75	11
6	Investigation of blend biopolymer electrolytes based on Dextran-PVA with ammonium thiocyanate  Maheshwari, T; Tamilarasan, K; (...); Kiruthika, S Mar 2021   Oct 2020 (Early Access)   JOURNAL OF SOLID STATE ELECTROCHEMISTRY 25 (3) , pp.755-765  ☰ Enriched Cited References	0	0	4	6	0	2.5	10
7	Investigation of seaweed derivative iota-carrageenan based biopolymer electrolytes with lithium trifluoromethanesulfonate  Chitra, B; Sathya, P; (...); Meyvel, S Jan 2020   MATERIALS RESEARCH EXPRESS 7 (11)  ☰ Enriched Cited References	0	1	5	4	0	2.5	10
8	Mitochondrial genome variations in idiopathic dilated cardiomyopathy  Govindaraj, P; Bani, B; (...); Thangaraj, K Sep 2019   MITOCHONDRION 48 , pp.51-59	0	2	5	1	0	1.6	8
9	Synthesis and characterization of Dextran, poly (vinyl alcohol) blend biopolymer electrolytes with NH <sub>4</sub> NO <sub>3</sub> , for electrochemical applications  Maheshwari, T; Tamilarasan, K; (...); Muthukrishnan, M Feb 19 2022   Jul 2021 (Early Access)   INTERNATIONAL JOURNAL OF GREEN ENERGY 19 (3) , pp.314-330	0	0	0	5	0	1.67	5
10	Study on novel biopolymer electrolyte Moringa oleifera gum with ammonium nitrate  Chitra, B; Krishna, MV and Selvasekaranandian, S Jun 2022   Mar 2021 (Early Access)   POLYMER BULLETIN 79 (6) , pp.3555-3572  ☰ Enriched Cited References	0	0	0	3	0	1	3
11	Na-ion conducting biopolymer electrolyte based on tamarind seed polysaccharide incorporated with sodium perchlorate for primary sodium-ion batteries  Maithilee, K; Sathya, P; (...); Meyvel, S Apr 2022   Jan 2022 (Early Access)   IONICS 28 (4) , pp.1783-1790  ☰ Enriched Cited References	0	0	0	1	0	0.5	1
	Analysis of phytochemical constituents and antibacterial activity of Wrightia tinctoria: traditional medicinal plant of India for application on wound dressing materials	0	0	0	1	0	0.5	15



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12 [Meenu, NC; Manokari, SL; \(-\); Duraisami, R](#)  
Jan 2022 | [INDIAN JOURNAL OF TRADITIONAL KNOWLEDGE](#) 21 (1), pp.48-54

13 **On Co-PI Index of Graphs**  
[Sharmiladevi, G and Kaladevi, V](#)  
Oct 2018 | [ARS COMBINATORIA](#) 141, pp.333-343

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