

PUBLICATIONS INSIGHT REPORT



2012-2017

03-Aug-2017, Thursday

Prepared for NMAMIT, by





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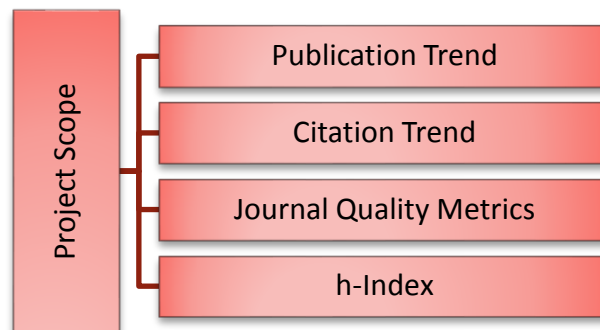
NMAMIT PUBLICATION ANALYSIS

OBJECTIVE

The objective of the research is to conduct publication analysis for ‘Nitte Mahalinga Adyanthaya Memorial Institute of Technology’ (Henceforth referred to as ‘NMAMIT’) to analyze the quantity and quality of research publications of the university.

SCOPE

To consolidate all of NMAMIT’s research publications into one database to analyze the following:



YEAR COVERAGE

2012 – 2017 (31-July-17)

DATABASE COVERAGE



Scopus

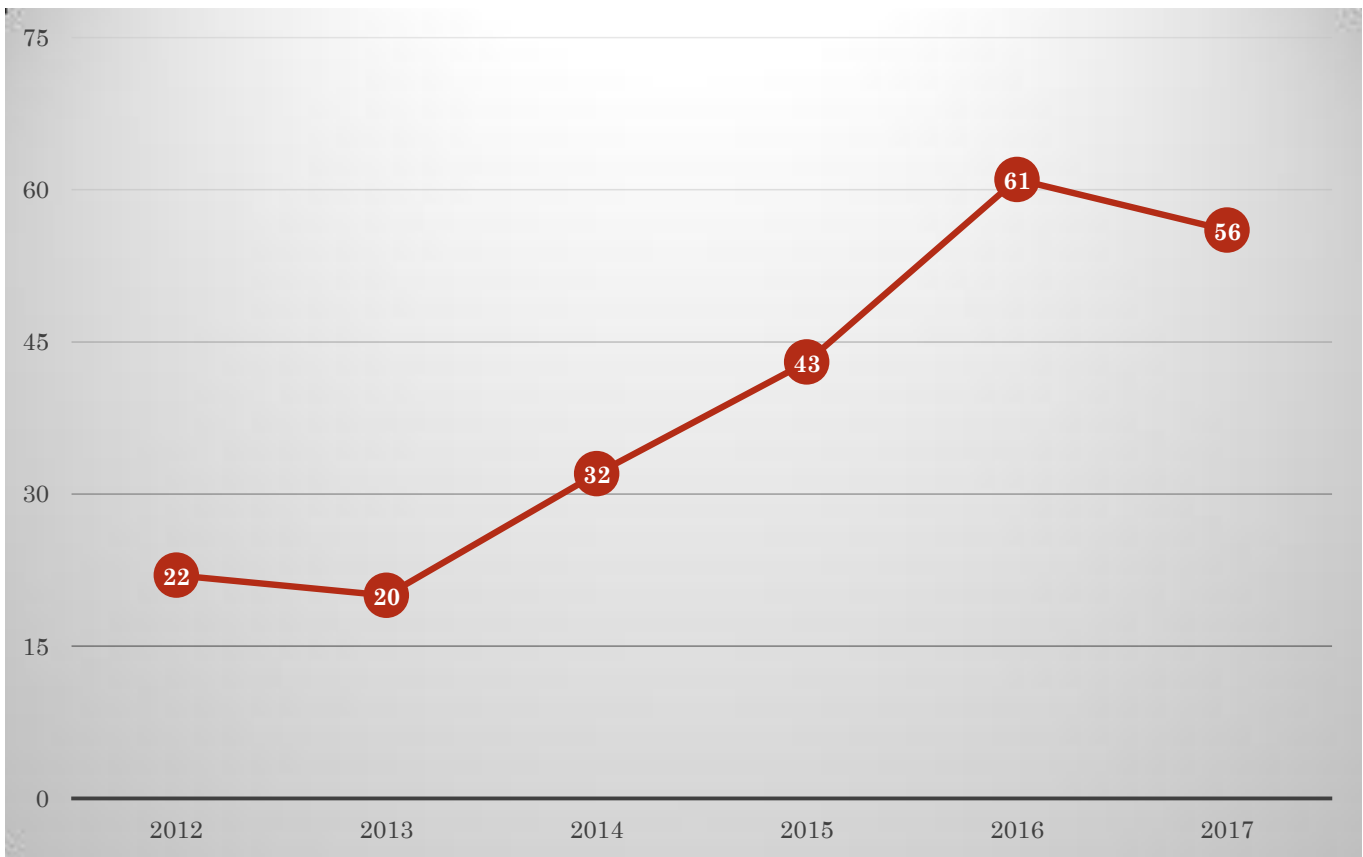


THOMSON REUTERS
WEB OF SCIENCE

1. NMAMIT - PUBLICATION TREND [2012-2017]

The research has identified a total of **234** publications by authors affiliated to the 'Nitte Mahalinga Adyanthaya Memorial Institute of Technology' (henceforth referred to as 'NMAMIT') from the period from 01-Jan-2012 to 31-Jul-2017. The overall publications trend for the Institute makes for an interesting reading.

FIGURE 1: OVERALL PUBLICATIONS' TREND





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TABLE 1: YEAR-WISE PUBLICATIONS	
YEAR	PUBLICATIONS
2012	22
2013	20
2014	32
2015	43
2016	61
2017*	56
TOTAL	234

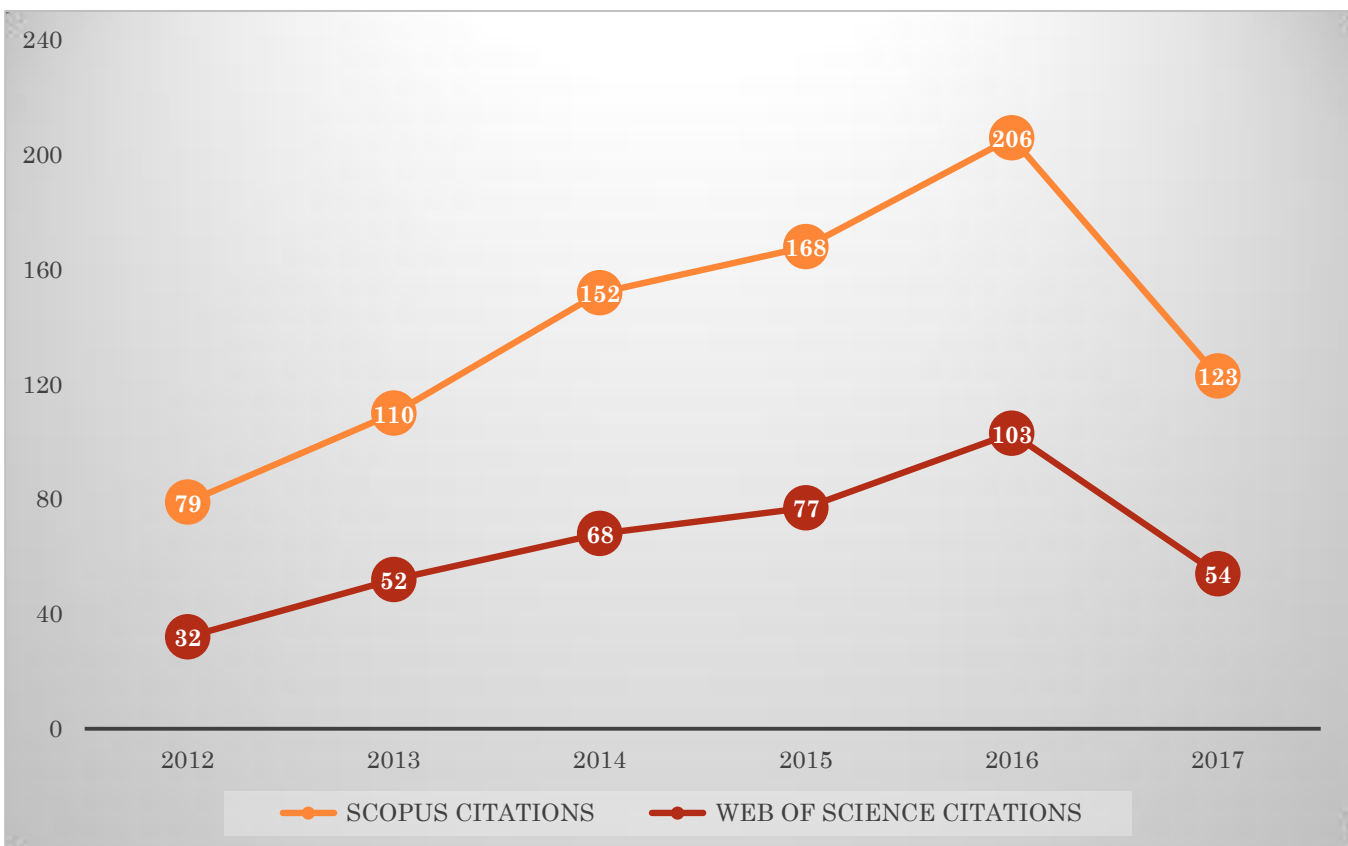
2. NMAMIT - CITATION TREND

A true measure of a Institute’s progress with respect to academic research is showing increase in number of citations for the university’s publications.

Scopus and Web of Science gives a comparative tracking of citations received by papers of a Institute every year. So papers published right from inception of the Institute, up and until the year of measurement, is considered and the citations received by those papers in the year of measurement are tracked.

A representation of the citation trend for the Institute’s publications from Scopus and Web of Science databases is presented below:

FIGURE 2: CITATION TREND ANALYSIS



TOTAL CITATIONS

The Institute has garnered a total of 838 citations in Scopus from 2012-2017 (as on 31-July-17).

The Institute has garnered a total of 386 citations in Web of Science from 2012-2017 (as on 31-July-17).



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TABLE 2: YEAR WISE CITATIONS

YEAR	SCOPUS	WOS
2012	79	32
2013	110	52
2014	152	68
2015	168	77
2016	206	103
2017*	123	54
TOTAL	838	386

3. NMAMIT - INDEXED DATABASE ANALYSIS

The research has identified a total of **234** publications and please find below the chart that outlines the performance of the university in each of the 2 indexed databases.

FIGURE 3: DATABASE ANALYSIS

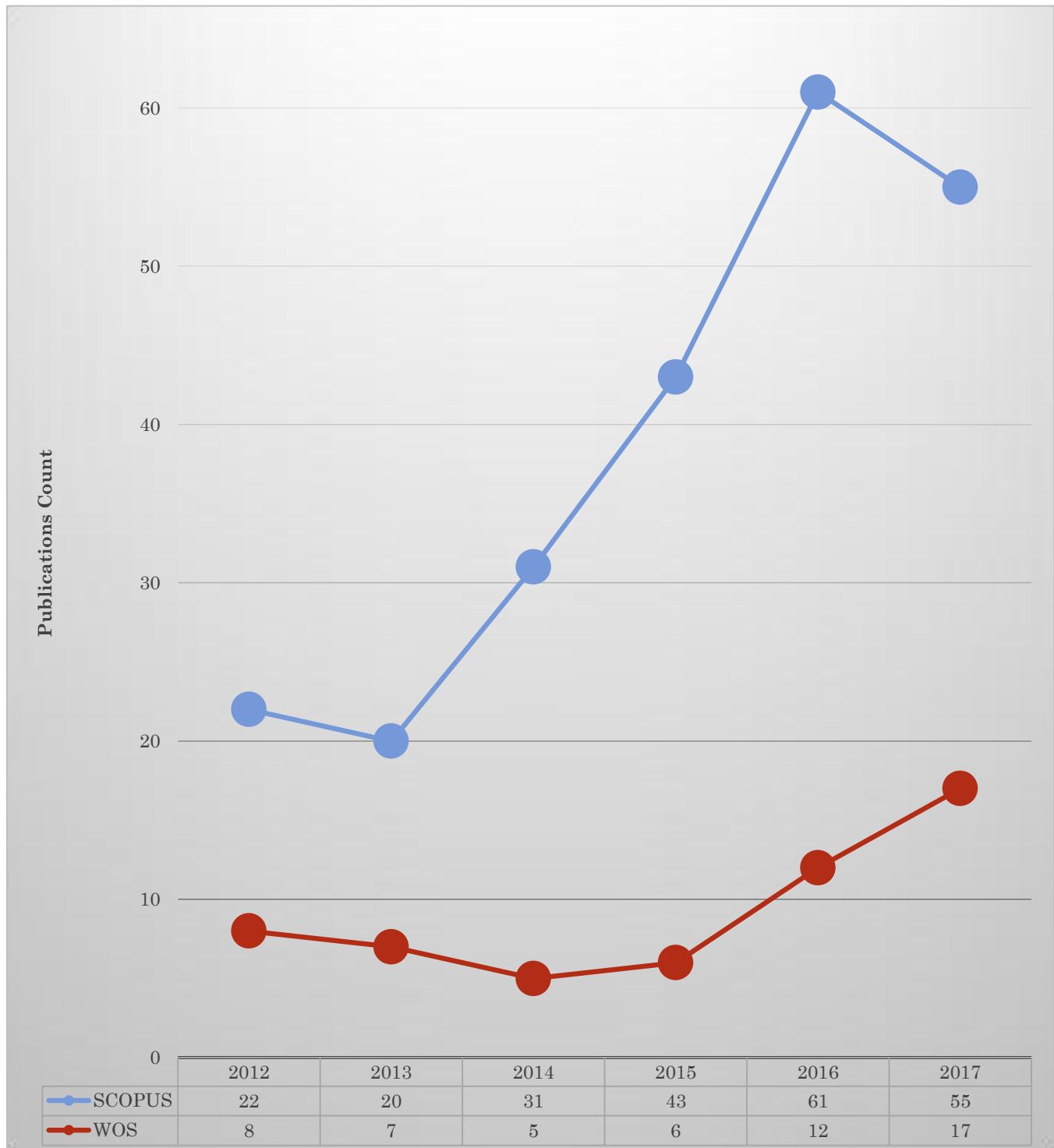




TABLE 3: DATABASE-WISE PUBLICATIONS SPREAD

YEAR	SCOPUS	WOS	TOTAL
2012	22	8	22
2013	20	7	20
2014	31	5	32
2015	43	6	43
2016	61	12	61
2017*	55	17	56
TOTAL	232	55	234

NOTE:

The summation of the individual database count will not be equal to the total publications as one publication can be indexed in more than one database.

4. NMAMIT h-INDEX

4.1. SCOPUS

The h-Index is based on the distribution of citations received by a given Institute’s publications. An index of ‘h’ for a university indicates that among the articles published by the Institute, ‘h’ articles have been cited at least ‘h’ number of times.

The h-Index of NMAMIT in Scopus is 14 (as on 31-July-2017)

FIGURE 4: h-INDEX [SCOPUS]



NOTE:

h-Index for the Scopus calculated for full years.

TABLE 4: h-INDEX CONTRIBUTING PUBLICATIONS [SCOPUS]

S.NO	AUTHOR(S)	TITLE OF PUBLICATION	JOURNAL NAME	YEAR	CITATIONS
1	SHIVAKUMAR, SRINIVASA PAI P., SHRINIVASA RAO B.R.	ARTIFICIAL NEURAL NETWORK BASED PREDICTION OF PERFORMANCE AND EMISSION CHARACTERISTICS OF A VARIABLE COMPRESSION RATIO CI ENGINE USING WCO AS A BIODIESEL AT DIFFERENT INJECTION TIMINGS	APPLIED ENERGY	2011	69
2	SHETTIGAR S., UMESH G., CHANDRASEKHARAN K., KALLURAYA B.	THIRD ORDER NONLINEAR OPTICAL PROPERTIES AND TWO PHOTON ABSORPTION IN NEWLY SYNTHESIZED PHENYL SYDNONE DOPED POLYMER	SYNTHETIC METALS	2007	56
3	BHAT K.S., RAJASHEKHAR J.	AN EMPIRICAL STUDY OF BARRIERS TO TQM IMPLEMENTATION IN INDIAN INDUSTRIES	TQM JOURNAL	2009	54
4	SHETTIGAR S., CHANDRASEKHARAN K., UMESH G., SAROJINI B.K., NARAYANA B.	STUDIES ON NONLINEAR OPTICAL PARAMETERS OF BIS- CHALCONE DERIVATIVES DOPED POLYMER	POLYMER	2006	52
5	MATHEW M.T., SRINIVASA PAI P., POURZAL R., FISCHER A., WIMMER M.A.	SIGNIFICANCE OF TRIBOCORROSION IN BIOMEDICAL APPLICATIONS: OVERVIEW AND CURRENT STATUS	ADVANCES IN TRIBOLOGY	2009	47
6	SRINIVASA PAI P., RAMAKRISHNA RAO P.K.	ACOUSTIC EMISSION ANALYSIS FOR TOOL WEAR MONITORING IN FACE MILLING	INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH	2002	42
7	POORNESH P., SHETTIGAR S., UMESH G., MANJUNATHA K.B., PRAKASH KAMATH K., SAROJINI B.K., NARAYANA B.	NONLINEAR OPTICAL STUDIES ON 1,3-DISUBSTITUENT CHALCONES DOPED POLYMER FILMS	OPTICAL MATERIALS	2009	38
8	SHETTIGAR S., UMESH G., CHANDRASEKHARAN K., SAROJINI B.K., NARAYANA B.	STUDIES ON THIRD-ORDER NONLINEAR OPTICAL PROPERTIES OF CHALCONE DERIVATIVES IN POLYMER HOST	OPTICAL MATERIALS	2008	35
9	MALLIKAPPA D.N., REDDY R.P., MURTHY C.	PERFORMANCE AND EMISSION CHARACTERISTICS OF DOUBLE CYLINDER CI ENGINE	RENEWABLE ENERGY	2012	24

TABLE 4: h-INDEX CONTRIBUTING PUBLICATIONS [SCOPUS]

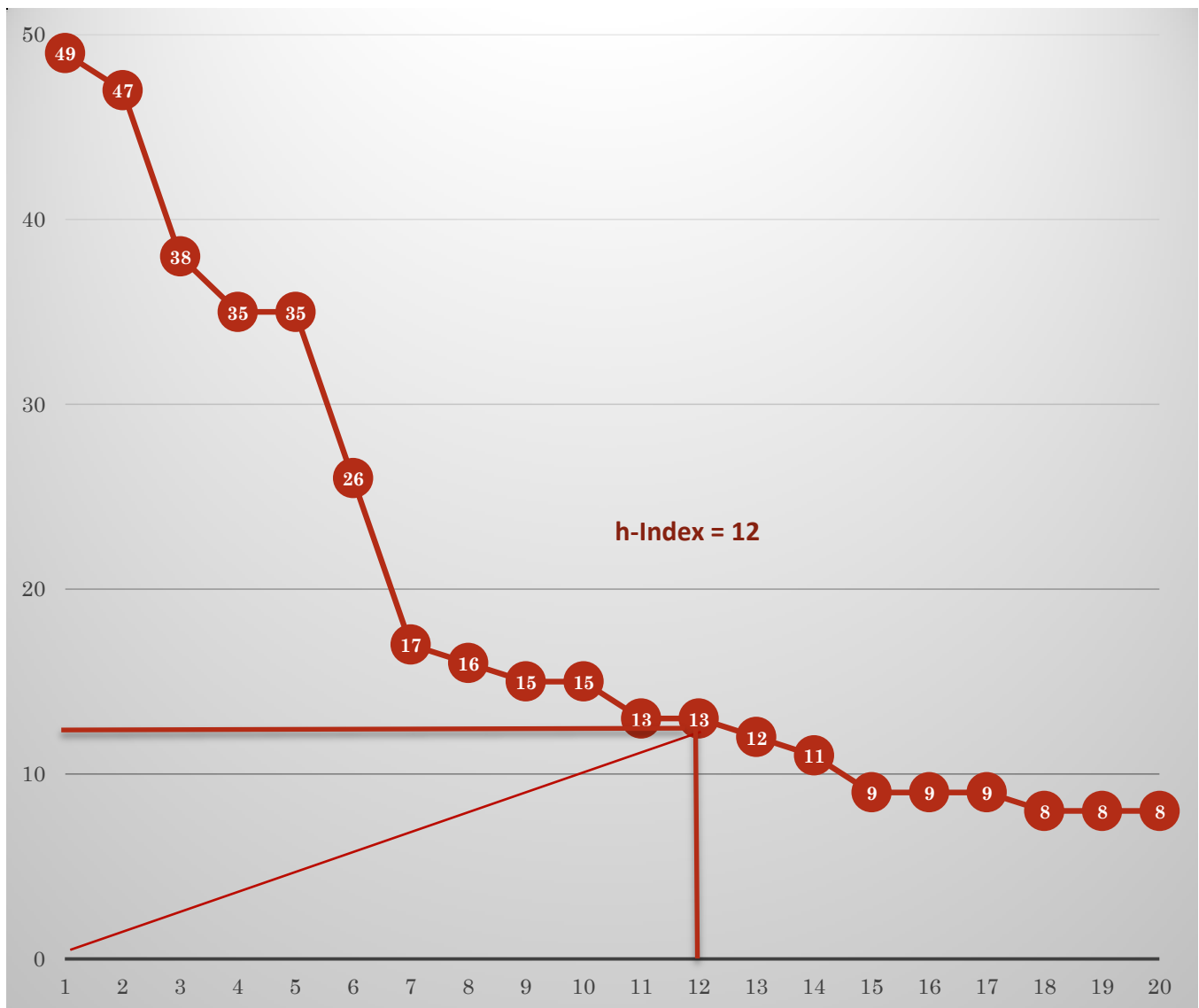
S.NO	AUTHOR(S)	TITLE OF PUBLICATION	JOURNAL NAME	YEAR	CITATIONS
		OPERATED WITH CARDANOL BIO FUEL BLENDS			
10	KAMATH L., MANJUNATHA K.B., SHETTIGAR S., UMESH G., NARAYANA B., SAMSHUDDIN S., SAROJINI B.K.	INVESTIGATION OF THIRD- ORDER NONLINEAR AND OPTICAL POWER LIMITING PROPERTIES OF TERPHENYL DERIVATIVES	OPTICS AND LASER TECHNOLOGY	2014	20
11	MATHEW M.T., PAI P.S., ROCHA L.A.	AN EFFECTIVE SENSOR FOR TOOL WEAR MONITORING IN FACE MILLING: ACOUSTIC EMISSION	SADHANA - ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	2008	19
12	SRINIVASA PAI P., MATHEW M.T., STACK M.M., ROCHA L.A.	SOME THOUGHTS ON NEURAL NETWORK MODELLING OF MICROABRASION-CORROSION PROCESSES	TRIBOLOGY INTERNATIONAL	2008	19
13	SRINIVASA PAI P., NAGABHUSHANA T.N., RAMAKRISHNA RAO P.K.	TOOL WEAR ESTIMATION USING RESOURCE ALLOCATION NETWORK	INTERNATIONAL JOURNAL OF MACHINE TOOLS AND MANUFACTURE	2001	17
14	SHANTHALA S., KULKARNI S.Y.	HIGH SPEED AND LOW POWER FPGA IMPLEMENTATION OF FIR FILTER FOR DSP APPLICATIONS	EUROPEAN JOURNAL OF SCIENTIFIC RESEARCH	2009	15

4.2. WEB OF SCIENCE

The h-Index is based on the distribution of citations received by a given Institute’s publications. An index of ‘h’ for a university indicates that among the articles published by the Institute, ‘h’ articles have been cited at least ‘h’ number of times.

The h-Index of NMAMIT in Web of Science is 12 (as on 31-July-2017)

FIGURE 5: h-INDEX [WEB OF SCIENCE]



NOTE:

h-Index for the Web of Science calculated for full years.

TABLE 5: h-INDEX CONTRIBUTING PUBLICATIONS [WOS]

S.NO	AUTHOR(S)	TITLE OF PUBLICATION	JOURNAL NAME	YEAR	CITATIONS
1	SHETTIGAR, SEETHARAM; UMESH, G.; CHANDRASEKHARAN, K.; KALLURAYA, BALAKRISHNA	THIRD ORDER NONLINEAR OPTICAL PROPERTIES AND TWO PHOTON ABSORPTION IN NEWLY SYNTHESIZED PHENYL SYDNONE DOPED POLYMER	SYNTHETIC METALS	2007	49
2	SHETTIGAR, S; CHANDRASEKHARAN, K; UMESH, G; SAROJINI, BK; NARAYANA, B	STUDIES ON NONLINEAR OPTICAL PARAMETERS OF BIS-CHALCONE DERIVATIVES DOPED POLYMER	POLYMER	2006	47
3	SHIVAKUMAR; PAI, P. SRINIVASA; RAO, B. R. SHRINIVASA	ARTIFICIAL NEURAL NETWORK BASED PREDICTION OF PERFORMANCE AND EMISSION CHARACTERISTICS OF A VARIABLE COMPRESSION RATIO CI ENGINE USING WCO AS A BIODIESEL AT DIFFERENT INJECTION TIMINGS	APPLIED ENERGY	2011	38
4	POORNESH, P.; SHETTIGAR, SEETHARAM; UMESH, G.; MANJUNATHA, K. B.; KAMATH, K. PRAKASH; SAROJINI, B. K.; NARAYANA, B.	NONLINEAR OPTICAL STUDIES ON 1,3-DISUBSTITUENT CHALCONES DOPED POLYMER FILMS	OPTICAL MATERIALS	2009	35
5	SHETTIGAR, SEETHARAM; UMESH, G.; CHANDRASEKHARAN, K.; SAROJINI, B. K.; NARAYANA, B.	STUDIES ON THIRD-ORDER NONLINEAR OPTICAL PROPERTIES OF CHALCONE DERIVATIVES IN POLYMER HOST	OPTICAL MATERIALS	2008	35
6	PAI, PS; RAO, PKR	ACOUSTIC EMISSION ANALYSIS FOR TOOL WEAR MONITORING IN FACE MILLING	INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH	2002	26
7	MALLIKAPPA, D. N.; REDDY, RANA PRATAP; MURTHY, CH. S. N.	PERFORMANCE AND EMISSION CHARACTERISTICS OF DOUBLE CYLINDER CI ENGINE OPERATED WITH CARDANOL BIO FUEL BLENDS	RENEWABLE ENERGY	2012	17
8	MATHEW, M. T.; PAI, P. SRINIVASA; ROCHA, L. A.	AN EFFECTIVE SENSOR FOR TOOL WEAR MONITORING IN FACE MILLING: ACOUSTIC EMISSION	SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING	2008	16

TABLE 5: h-INDEX CONTRIBUTING PUBLICATIONS [WOS]

S.NO	AUTHOR(S)	TITLE OF PUBLICATION	JOURNAL NAME	YEAR	CITATIONS
			SCIENCES		
9	KAMATH, LAXMINARAYANA; MANJUNATHA, K. B.; SHETTIGAR, SEETHARAM; UMESH, G.; NARAYANA, B.; SAMSHUDDIN, S.; SAROJINI, B. K.	INVESTIGATION OF THIRD-ORDER NONLINEAR AND OPTICAL POWER LIMITING PROPERTIES OF TERPHENYL DERIVATIVES	OPTICS AND LASER TECHNOLOGY	2014	15
10	COLACO, SHERYL G.; KURIAN, CIJI P.; GEORGE, V. I.; COLACO, ANITHA M.	PROSPECTIVE TECHNIQUES OF EFFECTIVE DAYLIGHT HARVESTING IN COMMERCIAL BUILDINGS BY EMPLOYING WINDOW GLAZING, DYNAMIC SHADING DEVICES AND DIMMING CONTROL-A LITERATURE REVIEW	BUILDING SIMULATION	2008	15
11	SHENOY, DEEPA; PAI, ANJALI; VIKAS, R. K.; NEERAJA, H. S.; DEEKSHA, J. S.; NAYAK, CHETAN; RAO, C. VAMAN	A STUDY ON BIOETHANOL PRODUCTION FROM CASHEW APPLE PULP AND COFFEE PULP WASTE	BIOMASS & BIOENERGY	2011	13
12	PAI, P. SRINIVASA; MATHEW, M. T.; STACK, M. M.; ROCHA, L. A.	SOME THOUGHTS ON NEURAL NETWORK MODELLING OF MICROABRASION-CORROSION PROCESSES	TRIBOLOGY INTERNATIONAL	2008	13

5.NMAMIT - PUBLICATIONS' QUALITY METRICS

TABLE 6 : QUALITY RANGE		
QUALITY METRICS	LOWEST RANGE	HIGHEST
SOURCE NORMALIZED IMPACT FACTOR (SNIP) [Scopus]	0.004	3.109
SCImago Journal Rank (SJR) [Scopus]	0.100	3.120
IMPACT FACTOR (IF) [Web of Science]	0.233	8.050

TABLE 7 : QUALITY METRICS			
YEAR	AVERAGE SNIP [Scopus]	AVERAGE SJR [Scopus]	AVERAGE IMPACT FACTOR [Web of Science]
2012	0.424	0.270	1.472
2013	0.446	0.287	1.079
2014	0.325	0.237	1.753
2015	0.467	0.287	0.788
2016	0.449	0.277	1.377
2017*	0.328	0.223	2.560

TABLE 8 : QUALITY METRICS COMPARISON			
YEAR COVEARGE	AVERGAE SNIP	AVERAGE SJR	AVERAGE IMPACT FACTOR
JAN 2012 - DEC 2015	0.352	0.233	1.262
JAN 2016 - 2017 (till 31- JULY 2017)	0.453	0.286	2.070

TABLE 9 : QUALITY METRICS COMPARISON (ACADEMIC YEAR WISE)

YEAR COVEARGE	AVERGAE SNIP	AVERAGE SJR	AVERAGE IMPACT FACTOR
JULY 2012 - JUNE 2014	0.415	0.294	1.404
JULY 2012 - JUNE 2017	0.360	0.232	1.637

TABLE 10 : SNIP[SCOPUS] YEAR WISE PROGRESS

YEAR	SNIP [SCOPUS]	INCREASING PERCENTAGE
UPTO 2012	50.852	-
UPTO 2013	59.023	16%
UPTO 2014	70.822	20%
UPTO 2015	80.358	13%
UPTO 2016	103.54	29%
UPTO 2017*	134.46	30%



TABLE 11: SJR[SCOPUS] - YEAR WISE PROGRESS

YEAR	SJR [SCOPUS]	INCREASING PERCENTAGE
UPTO 2012	36.174	-
UPTO 2013	42.671	18%
UPTO 2014	50.138	17%
UPTO 2015	55.784	11%
UPTO 2016	68.654	23%
UPTO 2017*	89.746	31%

TABLE 12: IMPACT FACTOR[WOS] - YEAR WISE PROGRESS

YEAR	IMPACT FACTOR [WOS]	INCREASING PERCENTAGE
UPTO 2012	58.839	-
UPTO 2013	66.389	13%
UPTO 2014	75.152	13%
UPTO 2015	79.880	6%
UPTO 2016	96.400	21%
UPTO 2017*	139.917	45%