

International Multidisciplinary
Research Journal

*Indian Streams
Research Journal*

Executive Editor
Ashok Yakkaldevi

Editor-in-Chief
H.N.Jagtap

Welcome to ISRJ

RNI MAHMUL/2011/38595

ISSN No.2230-7850

Indian Streams Research Journal is a multidisciplinary research journal, published monthly in English, Hindi & Marathi Language. All research papers submitted to the journal will be double - blind peer reviewed referred by members of the editorial board. Readers will include investigator in universities, research institutes government and industry with research interest in the general subjects.

International Advisory Board

Flávio de São Pedro Filho
Federal University of Rondonia, Brazil

Kamani Perera
Regional Center For Strategic Studies, Sri Lanka

Janaki Sinnasamy
Librarian, University of Malaya

Romona Mihaila
Spiru Haret University, Romania

Delia Serbescu
Spiru Haret University, Bucharest, Romania

Anurag Misra
DBS College, Kanpur

Titus PopPhD, Partium Christian
University, Oradea, Romania

Mohammad Hailat
Dept. of Mathematical Sciences,
University of South Carolina Aiken

Abdullah Sabbagh
Engineering Studies, Sydney

Ecaterina Patrascu
Spiru Haret University, Bucharest

Loredana Bosca
Spiru Haret University, Romania

Fabricio Moraes de Almeida
Federal University of Rondonia, Brazil

George - Calin SERITAN
Faculty of Philosophy and Socio-Political
Sciences Al. I. Cuza University, Iasi

Hasan Baktrir
English Language and Literature
Department, Kayseri

Ghayoor Abbas Chotana
Dept of Chemistry, Lahore University of
Management Sciences[PK]

Anna Maria Constantinovici
AL. I. Cuza University, Romania

Ilie Pinteau,
Spiru Haret University, Romania

Xiaohua Yang
PhD, USA

.....More

Editorial Board

Pratap Vyamktrao Naikwade
ASP College Devrukh, Ratnagiri, MS India Ex - VC. Solapur University, Solapur

R. R. Patil
Head Geology Department Solapur
University, Solapur

Rama Bhosale
Prin. and Jt. Director Higher Education,
Panvel

Salve R. N.
Department of Sociology, Shivaji
University, Kolhapur

Govind P. Shinde
Bharati Vidyapeeth School of Distance
Education Center, Navi Mumbai

Chakane Sanjay Dnyaneshwar
Arts, Science & Commerce College,
Indapur, Pune

Awadhesh Kumar Shirotriya
Secretary, Play India Play, Meerut (U.P.)

Iresh Swami
Ex - VC. Solapur University, Solapur

N.S. Dhaygude
Ex. Prin. Dayanand College, Solapur

Narendra Kadu
Jt. Director Higher Education, Pune

K. M. Bhandarkar
Praful Patel College of Education, Gondia

Sonal Singh
Vikram University, Ujjain

G. P. Patankar
S. D. M. Degree College, Honavar, Karnataka

Maj. S. Bakhtiar Choudhary
Director, Hyderabad AP India.

S. Parvathi Devi
Ph.D.-University of Allahabad

Sonal Singh,
Vikram University, Ujjain

Rajendra Shendge
Director, B.C.U.D. Solapur University,
Solapur

R. R. Yallickar
Director Management Institute, Solapur

Umesh Rajderkar
Head Humanities & Social Science
YCMOU, Nashik

S. R. Pandya
Head Education Dept. Mumbai University,
Mumbai

Alka Darshan Shrivastava
Shaskiya Snatkottar Mahavidyalaya, Dhar

Rahul Shriram Sudke
Devi Ahilya Vishwavidyalaya, Indore

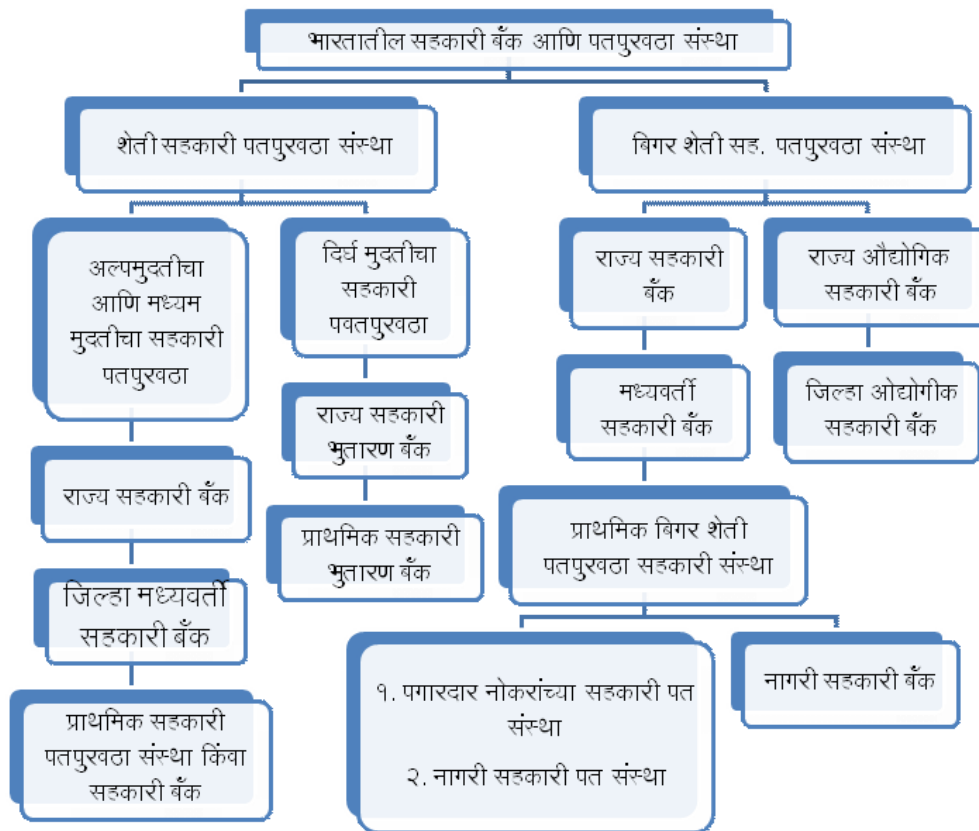
S. KANNAN
Annamalai University, TN

Satish Kumar Kalhotra
Maulana Azad National Urdu University

hno . g_nOnVrb JaOwAn(U Xw# KOnH\$ZmEH\$S rV H\$Z gKozA` m_nU`_nVZ Andr H\$galmd CEnKZ hnVr KUp Vo`ZmZ\SnZmVn# ` mVEdnda Mnb{dUohn . ghH\$nar#` mEH\$ H\$S#` m^ns#bnA` md I_nA` mgnh` nZoA`E` H\$S` dhna H\$H\$garZod Ann#` mg^ngXn#lod g_nOnMoemfU Z H\$Vmd ridV:MmndmVZ gmVn {dH\$ng H\$ndmhr ghH\$narMr ZVrH\$gH\$enZmh# . ghH\$narZog_Vm -YVmd ^X^nd ahrVg_nO aMZmZ_n# hmf` ng_XV_{i yb#br. g_nOnA` mgdWanV/bdonH\$ OnV, Y_#nW, qbJ AnKr -m-r Z -KVmH\$hrVar ghH\$nar VEdnda H\$H\$ EH\$S` `D\$bm#bo ghH\$nar CU` nOnV Z\shmdmOdr KV/bmOnVno ghH\$narZog_Vm -YVmd ^X^nd ahrVg_nO aMZmZ_n# hmf` ng_XV_{i yb#br. g_nOnA` mgdWanV/bdonH\$OnV, Y_#nW, qbJ AnKr -m-r Z -KVm H\$hrVar ghH\$nar VEdnda H\$H\$ EH\$S` `D\$bm#bo hmEH\$_n#n# \#n XnM ahUndmbw#b. ghH\$nar CU`nOnV Z\shmdmOdr KV/bmOnVno E` m_#i oAZMrV i` nna nUXVr H\$_r hndZ_n#em I nOjr CU`nOnV/m_SVKnarnU Zi>hmf` ng_XV_{i Vo XOXna d#Vw H\$_r qH\$_V, AMH\$DOZ_nno ^gi ahrV_n# AnKr_#i oJnH\$H\$M \#n XnM hnbw d \#gdUM\$Qxi br OnV n#` n#ZdH\$Yr EH\$S` Z` WnamJnH\$SdJ#mEH\$S` `dZ`i` nnanVrb gJu` nV Xw# AgUram`JnH\$S` H\$hr a_nUnV g-i hnb#no ghH\$nar hrEH\$bnH\$ej UnMr_n#>Mi di MAnnoAgog_OUdH\$hr Ja Znhr.

g#MZm

^naVnVrb ghH\$nar -H\$A` m An(U nVndRm g#Wn#` mAMZMr H\$enZm n#>#b g#MZd#Z ` V



^naVnVrb ghH\$nar Mi di gZ 1904_Ü` g#e Pn#r. AnO Odi Odi 100 df)nt#Pn#r An#V. ghH\$nar A{Y{Z`_gZ 1904_Ü` dPn#mAn(U gZ 1905_Ü` dZH\$ngZ#` mAhdnbnZngna X#nV` àW_M e#VH\$ nVn#`n#mH\$H\$ Xnmg H\$E` nV` `D\$Z e#Vr j` d nV e#VH\$ nVn#`n#mH\$H\$ hmf` ng g#ed#V Pn#r. Aer n{hbr gngm O#gZ 1905_Ü` d`YnadS>(O#e#` nV H\$UJr#b` W#nVnZ Pn#r. n#>ghH\$na j` d nV gZ 1904 A{Y{Z`_nU` e-Xb H\$Z gZ 1912_Ü` #Z{dZ H\$H\$ X AprVEdnV` Anbn# na#Vn#hr H\$H\$ XnAnm#nS#` nZ#anVH\$ndm` TnVn`_S#i nZo`_#B`an#ngn#>`_#B`ghH\$nar H\$H\$ XmgZ 1925_Ü`_o`_D#` H\$om` nZ#ya` #E` H\$anA` engZ#r n{apnV#r gngj` ghH\$nar H\$H\$ Xo`_D#` H\$Z ghH\$nar Mi di rMm{dH\$ng H\$E` nM#à` E`Z H\$om` gZ 1947 gnr#_hrami#V` ghH\$nar g#Wm8990 AgZ g^ngX g#` m14,21,000 hnb#

ndnV\$`_{i`n#`nZ#ya` ghH\$nar Mi di rMog#`n#` Am` b#r Yn#U#n{h#` mAn(U Xng#` m#>Idn#FF#` nOZV` ghH\$nar Mi di rbn{Xb#nWnZ` gZ 1956 bn^mfndna` an#Vn#r aMZmd` gZ 1960 bnndV#`_hrami`anA` n#Vr Pn#r#r {Z`_#r, H\$#r An#Jn#`JH\$g#Wn#`mKnV`b#mnm` m`m_#i` canA` nVrb ghH\$nar Mi di` hr H\$_r

A{YH\$ à_nUwV {dH\$grV Pnibr hnr. `mgd@m-tMm{dMna H\$Z _hrami srb ghH\$nar Mi di rA` mgdhrU d g_Vnib {dH\$ng KSajZ AnUE` nA` mNisH\$wVnVZ
_hrami srb ghH\$nar g\$Wm A{Y{Z`_1960_Dg H\$E` nV Anbm` mH\$N ÜnV 1960 nngvz 25 Oz 1999 n` V 49 XieE` mPne` m` mgd`XieE` m`w o_hrami srb
ghH\$nar Mi di A{YH\$A{YH\$bnb\$g`_w d{OdZineuPnibr Anho

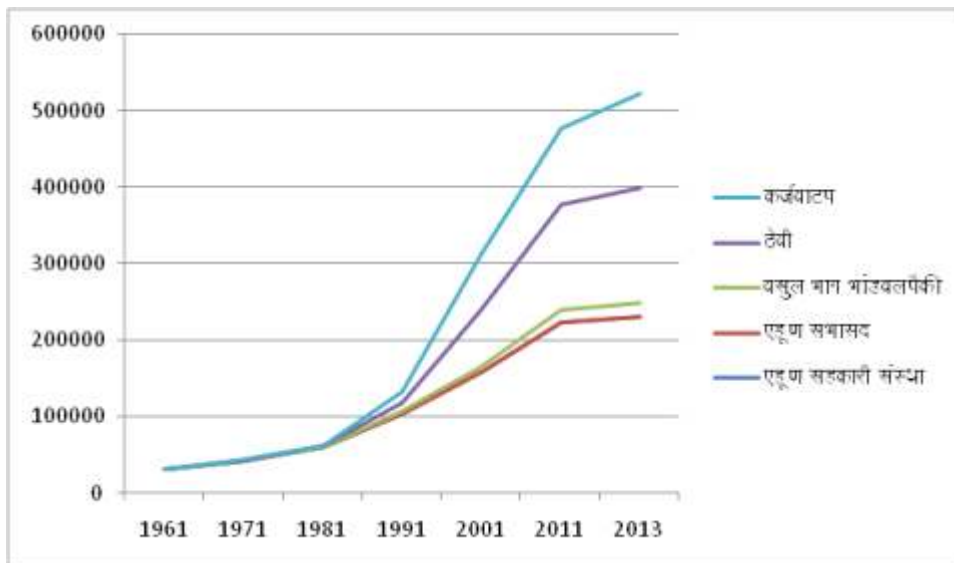
^naVnVrb ZihVa AnE` mI \$srb n{hbmghH\$nar VEdndarb ghH\$nar gml a H\$na I nZm_hrami srb Ah_XZJa {Oeö` nVrb bnbr` Wic^raE` nV Anbm
Agz n{hbr ghH\$nar gV H\$ms{JaUr H\$ehmg {Oeö` nVrb "BMBH\$Dr" `Wic^raE` nV Anbr. _hrami srbZmJar ghH\$nar -H\$N H\$fr {dnUZ à{H\$ m XW` i` dgm` ,
JH{Z` nE` g\$Wm` m`U` br bj Ur` dnt-H\$E` nMoxgz` `Wo ^naVnVrb EH\$U ghH\$nar g\$WmH\$ 27% g\$Wm_hrami srb Anhv. `mg\$Wm/mandJna CnbaYVW EH\$U
13% dntAnho

ghH\$nar {dH\$ngnA` m-m-VrV ^naVnV anA` nV _hrami srb hVbH\$gdnt AJga Anho ^naV` ghH\$nar Mi di r_U` oJWbE` mI o`E` m^nsabnMm1/6 ^nl
_hrami srb ghH\$nar g\$WmZ JWBmAnho I o`Vo^nsab, Rair, nd_nibH\$Vmngm` ^nl^nsab, g^ngXnd d ghH\$nar g\$WmMr g\$` m` mgdM` -m-VrV _hrami srb
H\$ng\$ n{hbmAnho 1960_U` o`_hrami srbEH\$ ^nfH\$anA` nWmZ Prie` nngvz ghH\$nar Mi di dnt`or Anho AnU {VA` nV {d{dYVmAnbr Anho 1961_U` o`
_hrami srb {d{dY` àH\$naA` mghH\$nar g\$WmEH\$U 31,565 hnr` m` nV H\$fr nV g\$Wm {-Ja H\$fr nVg\$Wm nUZ g\$Wm CEnxH\$ g\$Wmg_nOgdr ghH\$nar g\$Wm
BE` nkrMmg_nde hnr/m JnhH\$gmdnVmgdRmAnU Ka-nVUr Aemj d nVhr H\$H\$E` ngrR\$ ghH\$nar g\$WmWmZ Prie` mAnhv. nU gml aA` mH\$na I nV` nMm{dH\$ng
hara` nV`e` mghH\$na Mi di rMgdnt` bj Ur` d{ei> Anho

Vn{bH\$H\$. 1
_hrami srb ghH\$nar Mi di rMr àJVr
(g^ngX g\$` m bml nV, é. H\$ndE`_U`)

A.H\$	{ddaU	1961	1971	1981	1991	2001	2011	2013
1	EH\$U ghH\$nar g\$Wm	31565	42603	60747	104620	158016	224306	230673
2	EH\$U g^ngX	42	86	148	270	430	530.22	522.72
3	dglb` ^nl ^nsab nH\$	53	238	600	1970	7560	15505	17477
4	Rair	76	315	1939	11048	74462	136696	150726
5	H\$OenDn	270	1098	2934	15148	72067	100681	122813

Anbd H\$. 1
_hrami srb ghH\$nar Mi di rMr àJVr

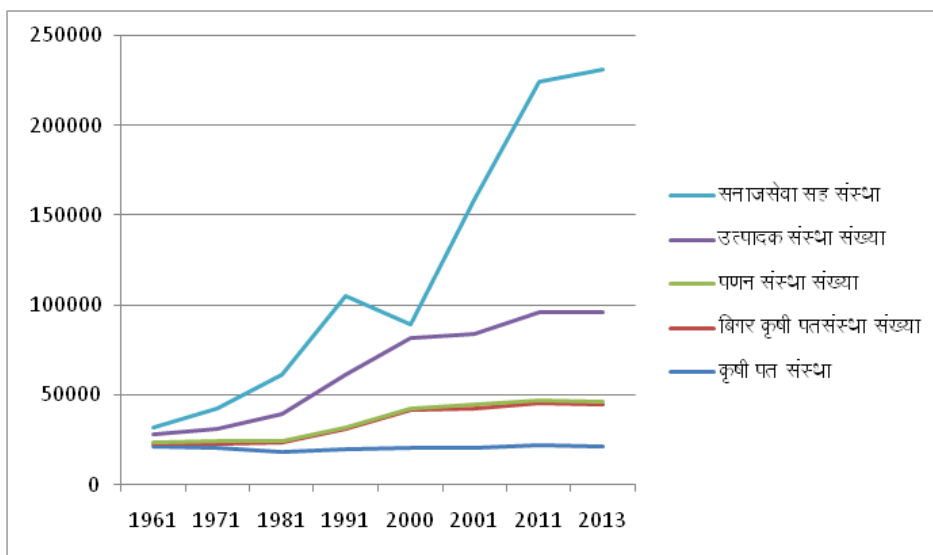


d{fab Vn{bH\$nd Anbd ndeZ gZ 1961-2013 n` V`_hrami`a/rb ghH\$nar Mi di rMm{dH\$ng Pnb{bm{Xgz` V`no gZ 1961`_U` o`_hrami`a/rb EH\$U ghH\$nar g\$Vn{Mr g\$` m31565 hnr Va gZ 2011`_U` dnt{Z 2,24,306 n` V`Pn{br Anho Va 2013`_U` og\$W{A` mg\$` V` 2,30,673 n` V` dnt{-Pnb{br {Xgz` V`o`E` n{M{a`_n{Uo` g`^ngX g\$` mgZ 1961 bm42 bml hnr Va gZ 2011 bm530.22 bml n` V` dnt{-Pnb{br Anho dgtb` ^n`^n`\$ab gZ 1961`_U` o63 H\$e`e`n` dnr Va 2011`_U` o15505 H\$e`e`n` oAgZ gZ 2013`_U` o17477 H\$e`e`n` n` V` dnt{-Pnb{br Anho VgM g\$W{A` mR{r gZ 1961 76 H\$e`e`n` dnr Va gZ 2011`_U` o1,36,696 H\$e`e`n` oAgZ 2013`_U` o1,50,726 H\$e`e`n` n` V` dnt{-Pnb{br {Xgz` V`o` E` n{M{a`_n{Uo`{Zidi H\$O`e`n{b{a gZ 1961`_U` o270 H\$e`e`n` dnr Va gZ 2011`_U` o100681 H\$e`e`n` o d gZ 2013`_U` o1,22,813 H\$e`e`n` o dnt{-Pnb{br {Xgz` V`o` ndeZ`_hrami`a/rb ghH\$nar Mi di rM{aJVr Pnb{br {Xgz` V`o`

Vn{bH\$M H\$`n{H\$ 2
_hrami`a/rb {aH\$nanZigma ghH\$nar g\$Vn{M d g`^ngX g\$` m
(g`^ngX g\$` m bml n{V})

A. H\$.	{ddaU	1961	1971	1981	1991	2000	2001	2011	2013
1	H\$fr nVg\$Vn{M g\$Vn{M g\$` m g`^ngX g\$` m	21438 22.55	20453 38.83	18605 64.47	19597 90.07	20561 112.09	20585 114.16	21845 150.1	21372 160.97
2	{-JaH\$fr nVg\$Vn{M g\$Vn{M g\$` m g`^ngX g\$` m	1631 10.87	2966 24.38	5477 37.59	11293 93.02	21057 176.46	22014 184.68	23434 216.18	23434 213.49
3	nUZ g\$Vn{M g\$Vn{M g\$` m g`^ngX g\$` m	344 1.41	410 2.82	426 4.79	931 7.47	1059 8.24	1815 8.43	1719 13.37	1762 14.70
4	CEn{XH\$g\$Vn{M g\$Vn{M g\$` m g`^ngX g\$` m	4306 3.23	6810 9.59	14327 21.24	28980 41.49	38513 59.03	39070 63.09	48848 80.10	48965 63.69
5	g`_nOg{m ghH\$nar g\$Vn{M g\$` m g`^ngX g\$` m	3846 3.94	11164 10.38	21915 19.19	43819 34.15	7955 57.17	75232 58.79	128760 68.09	135775 68.10

Anbd H\$`n{H\$ 2
_hrami`a/rb ghH\$nar g\$Vn{M {aH\$nanZigma ghH\$nar g\$Vn{M d g`^ngX g\$` m



darb Vn(bHšnd Anbd ndéZ gZ 1961_Ü` dHšfr nVgšWm/r gš` m21438 Va g`ngX gš` m22 bml 55 hOra hnr. hr gš` mBva gšWn` mVtoZV gdnf OmV Anho gZ 2011_Ü` dHšfr nVgšWm21485 Va g`ngX gš` m150.01 bml Agz ghHša gšWn` mgš` v d g`ngX gš` v dnt>Prnbbr {Xgz` v o gZ 1961_Ü` d~Ja Hšfr nVgšWm1631 hnr` mVa 2011_Ü` odntz 23434 Anhv. gZ 1961_Ü` og`ngX gš` m10.87 bml hnr Va gZ 2011_Ü` o 216.18 bml Agz gšWn d g`ngX gš` v dnt>Prnbbr {Xgz` Anbr.

gZ 1961_Ü` onUZ gšWm344 Agz g`ngX gš` m1 bml 41 hOra Anhv Va CšnnKZ gšWm4306 Agz g`ngX gš` m3 bml 23 hOra Anhv. g_nOgd r gšWm3846 hnr` mVa g`ngX gš` m3 bml 94 hOra Anho Va 2011_Ü` onUZ gšWm1719 Agz g`ngX gš` m13 bml 37 hOra Anhv. Va CšnnKZ gšWm48848 Agz g`ngX gš` m80 bml 10 hOra Anhv. g_nOgd r ghHšar gšWm1,28,760 Agz gd`Hšamj mgdnf OmV Anhv. Va g`ngX gš` m68 bml 9 hOra Anhv.

`ndéZ gZ 1961 nngz Va 2011 n` V gd`HšnA` mgšWmgš` v d g`ngX gš` v Xad fudnt>Pnē` nM{Xgz` v o

darb nVgšWn` mgš` dēZ _hrami>ghHšar Mi di hr XenV AJega Agz gd`HšnA` mj d nV d {d{dY ndēnV ngablr Anhod EHŠ daXnZ Rablr Anho _hrami> ghHšar Mi di éO{dE` nHšarVmd āgra HšE` nHšarVmdHšr>nb` bVm Šš YZŠ` JnŠŠi , Šš {dCšand {dI onnšb, `edŠand Mi hntJ, dgŠXnXm nntšb, ^ndšgnē- {hap eššand _nrvonnšb AnU Bva gm n{OHŠHšm PŠ` nZr Oāeng{Z` ā` EZ HšZ Jm rU {dHšng nMmVbam nšam-Xbz OāHŠ` nMmā` EZ Hšom E` nā` mā` EZ nVZM Jm rU An{WFS nndnbš-ZnMm Jm rU d Hšfr {dHšng nMm_r 9 tomPrnb Jm rU {dHšng nV An{WFS n{advZngnRš ghHšar Mi di hr EHŠ gšrdZr Xšnar Rabr Anho

[_hrami š/ ZmJar/Jm_rU ghHšar gšWmMi di rMr gšēdnV :](#)

_hrami š/ Oñ` m_šPšmVnV YradS>{Oēo` nV HŠZ Jrhnb` v o8_01905 andr E` mJndVrb nntšbz n{hē` mJm_rU ghHšar nVgšWm/r nVWmZmHšbr. E` nM YVuda YradS>{Oēo` nV M "JXJw Vnbš` nVrb "-šJr` Jndm_Ü` d`Zohaš>HŠZ {aJr{Z` nA` mnrtššanz018 AnšOš-a 1905 andr ZmJar nVgšWm/OY_Pnbm {VMoznd -šJr nVgšWmAgdnV o {dUHšn/r d BVA AY` g_ī` dgm r` nš/r Jar-r gšndr šmhVZM gXa ZmJar nVgšWm/gXn` Ed_šV RalE` nV AnbdnV o gZ 1915 n` V d Zšahr AZšZmJar ghHšar nVgšWm/nWmZ Pnē` mhrn` m AnD hōnā` ZmJar ghHšar nVgšWnA` m-m-VrV XenV àW_ Hš nššm/ōnā` RaboAnho ^naVnV d {defVm _hrami š/rb ghHšar Mi di hr gñt>nmi nda C^r Anho _hrami š/ ghHšar Mi di r_ī` ogd`gm_nī` nšmgV_nZ ānV HšZ {Xbm eVrda AnVrV nrbVr ā{Hš` nHšE` nMmCUnl ghHšar j d nV nWmZ HšE` ng gšēdnV Pnrb E` m_ī` o _hrami š/rb ghHšar j d nVrb nVgšWm/M{dHšng \šā _nšē m ā` nJnda Pnē` nM{Xgz` v o nVgšWmām_ nZōVnZ HŠndēnA` mAgē` mVar ghHšar Hšm ŪzōVnWmZ Pnbē` mAnhv. ZmJar nVgšWm/o An{WFS j d nV _h{dnV o nVnZ Anho

[g_mam :](#)

ndmVš` { i nē` nZšVa ghHšar Mi di rA` mgš` nš Anl bbr YmUo n{hē` mAnU Xgē` mnšMdnf PŠ` nDZV ghHšar Mi di rbm{XbboñWnZ, gZ 1956 bml n{fnda ānVn/r aMZ d gZ 1960 bml dVš` _hrami š/Prnbbr {Z_Šr, Hšfr AnU nVrHš gšWn/MKnVbmmi m` m_ī` o nVrb ghHšar Mi di Hš_r A{YHš ā` nU nV {dHšgrV Pnrb hnr. `mgd`m-rMm{dMna HšZ` _hrami š/rb ghHšar Mi di rMm gdnVrU d g_Vnb {dHšng KŠšj AnU E` nA` m{ī` n{Hš nVZ ghHšar gšWm A{Y{Z` _1960_Šr HšE` nV Anbm E` m_ī` o _hrami š/rb ghHšar Mi di rMm{dHšng Pnē` nM{Xgz` v o

gZ 1961 Vo2013 n` V {d{dY āHšnA` mgHšar gšWn/r gš` m g`ngX gš` m` ^w` ^nššb, HŠO`dnōš d Ralr` m_Ü` odnt>Pnē` nM{Xgz` Anbo ghHšar Mi di gūē HšUmo _hrami š/anā` hoAJUr anā` Agz ghHšar gšWn` manD Jm {Z_ŠrV gñmAJega Anho _hrami š/rb ghHšar Mi di rA` m{dHšng m_ī` o ghHšar gšWn HŠZ Jar-, bhrz i` nnar, eV Hšar, gm_nī` OZVm Hšar nra d Hšm Jm d JmMšm Xmhrtz E` nš/r CPVr Prnbbr {Xgz` v .
`ndéZ _hrami>ghHšar Mi di rMm{dHšng Pnē` nM{Xgz` v o

[gk^e](#)

1. Šš Xñmer, nX` nHšam, ^naVr` ghHšar Mi di rA` meš` a d f nM{g hndbnšZ, ghHšar _hrami>ghHšar gšVn {defnš, Znhō- {Sgl, 2004, nš-Hš 13
2. Šš Hšm V, Jmg., ghHšar, i` dhra AnU i` dnWmZ, {dUmāHšēZ, nš o nš-Hš 103
3. ^JV, -r. Oš., ^naVr` ghHšar Mi di rMoeVHš, ghHšar gšVn {defnš, {Sgl, 2004, nš-Hš 17, 18, 19
4. Šš ^nš, JnV_., OmV {VHšHšU AnU ghHšar Mi di m{šb Amhrz o ghHšar gšVn {defnš, Znhl, 2010, nš-Hš 36, 37
5. {Oehmgm n{OHŠ d An{WFS g_nbnVZ, {OehmMšng, AWŠ gñf Hš gš/nbZnb` _hrami>engZ, _šB, nM, 1999 Vo nM 2010
6. Šš Pm_ao Or.EZ., ^naVr` AWēnī, qñi nng nHšēZ, Zmng, nš-Hš 191
7. Mnpšop A{OV., bml Šenhr d ghHšar, ghHšar gšVn {defnš, Znhl, 2010, nš-Hš 41
8. _hrami š/ An{WFS nntšbr gZ 31_nM 2011 Vo 31_nM 2013 n` V

Publish Research Article

International Level Multidisciplinary Research Journal For All Subjects

Dear Sir/Mam,

We invite unpublished Research Paper, Summary of Research Project, Theses, Books and Book Review for publication, you will be pleased to know that our journals are

Associated and Indexed, India

- ★ International Scientific Journal Consortium
- ★ OPEN J-GATE

Associated and Indexed, USA

- Google Scholar
- EBSCO
- DOAJ
- Index Copernicus
- Publication Index
- Academic Journal Database
- Contemporary Research Index
- Academic Paper Database
- Digital Journals Database
- Current Index to Scholarly Journals
- Elite Scientific Journal Archive
- Directory Of Academic Resources
- Scholar Journal Index
- Recent Science Index
- Scientific Resources Database
- Directory Of Research Journal Indexing

Indian Streams Research Journal
258/34 Raviwar Peth Solapur-413005, Maharashtra
Contact-9595359435
E-Mail-ayisrj@yahoo.in/ayisrj2011@gmail.com
Website : www.isrj.org