

International Multidisciplinary  
Research Journal

*Indian Streams  
Research Journal*

Executive Editor  
Ashok Yakkaldevi

Editor-in-Chief  
H.N.Jagtap

---

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.

### Regional Editor

Dr. T. Manichander

Mr. Dikonda Govardhan Krushanahari  
Professor and Researcher ,  
Rayat shikshan sanstha's, Rajarshi Chhatrapati Shahu College, Kolhapur.

### International Advisory Board

|   |  |   |
|---|--|---|
| Kamani Perera<br>Regional Center For Strategic Studies, Sri Lanka | Mohammad Hailat<br>Dept. of Mathematical Sciences,<br>University of South Carolina Aiken                     | Hasan Baktir<br>English Language and Literature<br>Department, Kayseri                      |
| Janaki Sinnasamy<br>Librarian, University of Malaya               | Abdullah Sabbagh<br>Engineering Studies, Sydney  | Ghayoor Abbas Chotana<br>Dept of Chemistry, Lahore University of<br>Management Sciences[PK] |
| Romona Mihaila<br>Spiru Haret University, Romania                 | Ecaterina Patrascu<br>Spiru Haret University, Bucharest  | Anna Maria Constantinovici<br>AL. I. Cuza University, Romania                               |
| Delia Serbescu<br>Spiru Haret University, Bucharest,<br>Romania   | Loredana Bosca<br>Spiru Haret University, Romania  | Ilie Pinteau,<br>Spiru Haret University, Romania  |
| Anurag Misra<br>DBS College, Kanpur                               | Fabricio Moraes de Almeida<br>Federal University of Rondonia, Brazil   | Xiaohua Yang<br>PhD, USA  |
| Titus PopPhD, Partium Christian<br>University, Oradea,Romania     | George - Calin SERITAN<br>Faculty of Philosophy and Socio-Political<br>Sciences Al. I. Cuza University, Iasi | .....More   |

### Editorial Board

|  |   |   |
|--|---|---|
| Pratap Vyamktrao Naikwade<br>ASP College Devrukh,Ratnagiri,MS India                        | Iresh Swami<br>Ex - VC. Solapur University, Solapur           | Rajendra Shendge<br>Director, B.C.U.D. Solapur University,<br>Solapur |
| R. R. Patil<br>Head Geology Department Solapur<br>University,Solapur                       | N.S. Dhaygude<br>Ex. Prin. Dayanand College, Solapur          | R. R. Yalikal<br>Director Managment Institute, Solapur                |
| Rama Bhosale<br>Prin. and Jt. Director Higher Education,<br>Panvel                         | Narendra Kadu<br>Jt. Director Higher Education, Pune          | Umesh Rajderkar<br>Head Humanities & Social Science<br>YCMOU,Nashik   |
| Salve R. N.<br>Department of Sociology, Shivaji<br>University,Kolhapur                     | K. M. Bhandarkar<br>Praful Patel College of Education, Gondia | S. R. Pandya<br>Head Education Dept. Mumbai University,<br>Mumbai     |
| Govind P. Shinde<br>Bharati Vidyapeeth School of Distance<br>Education Center, Navi Mumbai | Sonal Singh<br>Vikram University, Ujjain                      | Alka Darshan Shrivastava<br>Shaskiya Snatkottar Mahavidyalaya, Dhar   |
| Chakane Sanjay Dnyaneshwar<br>Arts, Science & Commerce College,<br>Indapur, Pune           | G. P. Patankar<br>S. D. M. Degree College, Honavar, Karnataka | Rahul Shriram Sudke<br>Devi Ahilya Vishwavidyalaya, Indore            |
| Awadhesh Kumar Shirotriya<br>Secretary,Play India Play,Meerut(U.P.)                        | Maj. S. Bakhtiar Choudhary<br>Director,Hyderabad AP India.    | S.KANNAN<br>Annamalai University,TN                                   |
|  | S.Parvathi Devi<br>Ph.D.-University of Allahabad              | Satish Kumar Kalhotra<br>Maulana Azad National Urdu University        |
|  | Sonal Singh,<br>Vikram University, Ujjain                     |   |



pf'd' kksj koLFkrthy eykeyhP; k Hkkofud l eL; s  
l nHkkz , d v/; ; uB

dq T; kRLuk yk- xt fHk; s



### Lkij kd k %Abstract%&

eykP; k l okkh. k fodkl kr HkkoukRed fodkl kyk egRokpsLFkku vkgs Hkkouk o 0; Drhps0; DfreRo ak nku , deak' kh fuxMhr xkSVh vkgr-  
fd' kksj koLFkK gk eykP; k thoukr vfr'k; egRokpk dky [kM vl Y; keGs; kp o; ke/; svud cny ?kMhu ; s vl rkr R; kP; kr gr vl yV; k cnykeGsR; kP; k eukr l rr xkktG l # vl rks Hkkouk uS fxZfjR; k ixV u djrk R; kr vks pkfj drk ; s s eyso eyh vfr'k; Hkkouk i zku gkr- R; kP; k FkkMl sgh eukfo#/n >kyj fdok vkbZMhy jxkoysfd R; kauk [kir okbM okVrs ak o; kr eyso eyh c&; kp i ek.kkr vctsy gkr- Eg.kuu fd' kksj koLFkrthy eyk o eyhph Hkkofud l eL; k tk.kuu ?ks ; kl kBh ; k l eL; ph fuoM dj . ; kr vkyh vkgs

Key words:- fd' kksj koLFkph 0; k [; k] Hkkoukl adkh 0; k [; k

### l Lrkouk %Introduction%&

Hkkofud l eL; pk vH; kl dj . ; ki nhz Hkkouk Eg.kts dk; gs l etuu ?ks ks egRokps vkgs p0; Drhph ekufi d fdok 'kjh fjd i zkk/k vl ysh flFkrh Eg.kts Hkkouk gks -B  
fd' kksj o; hu eyk eyhP; k vk; q; kr Hkkouk fuf'pr egRo vkgs dkj . k vki . k vki Y; k nufnu thoukr deh vf/kd rhorP; k Hkkofud i frf0; k vuttkor vl rks t l s i e] l gkubtkrh] n; k] mRl qdrk vkf. k vkuan ; k l qknk; d Hkkouk vkgs- rj jkx] dkGth] yTtk] }Sk] Hkhrh ; k nq[knk; d Hkkouk vkgs-  
vki Y; k vk; q; kr l qknk; d vkf. k nq[knk; d nkg]h i zdkj P; k HkkoukpsfeJ . k vl rs T; k Hkkouk vf/kd i zG vl rkr- R; kps i frfoc ox. kchr vk<Guu ; rs R; kP; k vk/kkj koj eyk eyhpsos Drhd o l kekfD l ek; kst u voyau vl rs i . k R; kl kBh vuttkoh 0; DrhdMhu eykeyhauk ; kK; ekxh'ku feG. ksvko' ; d vkgs  
dkj . k ; k voLFkr ey eyh dekyhps vLFkj o Hkkoiwz thou txr vl rkr- va%L=ko xdkh ftrD; k tkLr dk; [ke] frfD; k 0; Drh vf/kd Hkkoe; curkr- ; k o; kr eyse'ethr curkr- rj ekf l d i kGheGseyh vf/kd fpM[kkj o Hkkofoo'k curkr-  
; k voLFkr fd' kksj o; hu eykeyhpk vgdkj vR; r l onu{ke vl rks vgdkj kyk /kDdk cl syk R; kauk vftcr vkoMr ukgh- oMhy ek.kl kpk mi ns k R; kauk , dko; kpk ul rks f'k[kdkh fo'kskr% eyk eyhul etj vi eku dsk rj rksR; kauk l gu gkr ukgh- v'kk i fj flFkrhr jkx R; kauk vkokr ukgh- ; k o; krhy eyso eyh dYi uk fo'okr jwu Hkkoh thoukph Lolus j s kkvV ykxrk- dYi uk foykl kr jeek. k gkr- oLrf flFkrhdMsR; kpsnyZk gks- vki yh Lolus d'kh i R; s[kr vk. kkh ; k cly rh vufHkK vl rkr- fd' kksj o; hu eyso eyh gGoj fHk=] fparkxLr vl ysyfni rkr- R; kauk tsokVrsR; ki zdkj sR; kauk txrk ; s ukgh- P l know what I do not want, but I do not know what I want p v'kh R; kph voLFkK gks-  
dkgh eykeyhP; k eukr rj Hkkoukpk brdk xkktG vl rksdh rkspg&; koj i xV gksks pgjk fparktud o nq[khd'Vh okVrks v'kk eykeyhP; k pg&; koj vkuanh Hkko vk<Gr ul Y; keGs brj kauk vkdf'kr dj . ; kph i k=rk deh vl rs v'kh ey eyh brj l eo; Ld eykeyhP; s yodj fel Gw'kdr ukgh- Hkkoukps nMi . k ok<Y; keGsR; kP; kr Hk'knksk l qnk vk<Guu ; rks v'kk eykeyhauk vki ysfopkj uhV ekMar k ; s ukgh- vH; kl krgh y{k ykxr ukgh- R; keGsrs'kskf. kd n"V; kgh ekxsi Mrkr-  
gj ykhdusEgVys vkgs dh] th ey eyh dkGth] fujk'kk] }Sk] fdok nq[k ; k HkkoukP; k nMi . k k[ky ok<r vl rkr- v'kk eyk eyh e/; s'kskf. kd i k=rk vl ugh R; kauk T; k i ek.kkr ; 'k feGlo; k i ghtr; k i ek.kkr feGw'kdr ukgh brdp uGsrj Hkkouknd ok<Y; kl eykeyhau/; s'kskf. kd l eL; k l qnk fuekz k gkr-  
Eg.kuu fd' kksj o; hu eykeyhau l etwk ?ks ks tkLr egRokps vl rs ak o; kr tj i kyd vki Y; k eykeyhau l kcr eufeGkAi . ks

jĳr vl rhy] R; kauk ; kĳ; elxh'kĳ djhr vl rhy] R; kP; k vMp. kh tk. ku ?s kĳ s vl rhy rj eŷs fdok eyh vki Y; k l oZ l eL; kps fuj kdj. k vkbz fMyk}kĳ s djrkr- vkbz ph Hkkfedk eyhu cĳkĳ eŷ=. khph rj ofMykph Hkkfedk eyk cĳkĳ fe=kph vl y rj eykeŷhP k HkkouRed fodkl vfr'k; plaxY; k i zĳkĳ sĳkrĳ ?kĳ krp R; kauk ; kĳ; okrkoj . k feGkysrj rs?kĳ kĳĳ vki ys l fĳk 'kĳk. ; kpk i z Ru dj . kĳ ukgh- f'kok; vki Y; k vMp. kh tk. ku ?s kĳ h vki Y; kyk oGkoGh elxh'kĳ dj . kĳ h 0; Drh feGKY; kpk R; kauk oxGkp vkun ĳkrĳ

**ƒd' kĳ kP; k Hkkoupsi zĳkĳ**

1½ j kx] 0kĳ 2½ Hkhrh 3½ ƒprk 4½ dkG th 5½ i e 6½ vkun 7½ }sĳ

**mĳ "V; s/Objectives%**

- 1½ ƒd' kĳ koLFkrhy eykeŷhP; k Hkkofud l eL; pk vH; kl dj . kĳ
- 2½ ƒd' kĳ koLFkrhy eykeŷhP si kyd R; kP; k Hkkouk l e t u ?krkr fdok ukgh ; kpk vH; kl dj . kĳ
- 3½ ƒd' kĳ koLFkrhy ey o eyh Hkkou d ĳk u fu. kĳ ?krkr fdok ukgh ; kpk vH; kl dj . kĳ
- 4½ ƒd' kĳ koLFkrhy eykeŷhP; k Hkkouk i fĳ l Fkrhuĳ kĳ cnyrkr fdok ukgh ; kpk vH; kl dj . kĳ

**xĳhr dR; s/Hypothesis%**

- 1½ ƒd' kĳ koLFkrhy eykeŷhP e/; s Hkkofud l eL; k f n l u ; rkr-
- 2½ ƒd' kĳ koLFkrhy eykeŷhP si kyd R; kP; k Hkkouk l e t u ?kr ukgh-
- 3½ ƒd' kĳ koLFkrhy ey o eyh Hkkou d ĳk u fu. kĳ ?krkr-
- 4½ ƒd' kĳ koLFkrhy eykeŷhP; k Hkkouk i fĳ l Fkrhuĳ kĳ cnyr vl rkr-

**l ĳ kĳ ku i /nrh %Research Method%**

**rF; kpk L=kĳ %Sources of Data%**

l ĳ kĳ kukph mĳ "V; s l k/; dj . ; kl kĳh ƒd' kĳ koLFkrhy eyk eyhP; k Hkkofud l eL; k tk. ku ?s ; kl kĳh , dĳk 100 ƒd' kĳ o; hu eykeŷhP h fuoM dj . ; kr vkyh-

**'kĳ k{kĳ %Study Setting%**

l ĳr v/; ; ukl kĳh yk[kuh rkyĳ; krhy 100 ƒd' kĳ o; hu eykeŷhP h fuoM ; knfPNd ueĳk fuoM i /nrhusdj . ; kr vkyh-

**U; kn'kĳ ueĳk fuoM %Sample Size%**

v/; ; ukl kĳh , dĳk 100 ƒd' kĳ o; hu eykeŷhP h fuoM dj . ; kr vkyh vl u u; k; n'kĳ kĳh yk[kuh rkyĳ; krhy 5 fo |ky; kph fuoM dj . ; kr vkyh ; k 'kĳ Gkph fuoM l ĳnk ; knfPNd i /nrhusdY; k xŷh- %yk[kuh] i kyknij] fi ĳ Gxko] i kĳĳ k] dĳ yokMkĳ i R; dĳh , dĳk fo |ky; kru 20 eyk eyhP h fuoM dj . ; kr vkyh vĳĳ

; knfPNd ueĳk fuoM i /nrhusfuom. ; kr vkyY; k 'kĳ Gk

| v-0- | 'kĳ Gps uk0                     | eyŷ | eyh | , dĳk |
|------|---------------------------------|-----|-----|-------|
| 1    | ; fuol ŷ bŷyh'kĳ dĳ yk[kuh      | 10  | 10  | 20    |
| 2    | ftYgk i fĳ "kn ĳk; Ldĳ i kyknij | 10  | 10  | 20    |
| 3    | Lug dĳ; k fo  ky; fi ĳ Gxko     | 10  | 10  | 20    |
| 4    | ftYgk i fĳ "kn ĳk; Ldĳ i kĳĳ k  | 10  | 10  | 20    |
| 5    | th- bĳ , l ĳk; Ldĳ dĳ yokMk     | 10  | 10  | 20    |
|      | , dĳk                           | 50  | 50  | 100   |

**rF; l dĳy %**

v/; ; ukl kĳh i kĳfed L=kĳ nq; eL=kĳ i z ukoyh vuĳ h eykEr] fuj h(k. k ; kP; k vĳ/kĳ seĳfgrh l dĳyhr dj . ; kr vkyh vĳĳ

rF; kps l kf[; dh; fo'y'sk.k o fooj.k  
 %Statistical Interpretation of Data And Discussion%  
 Lkkj .kh

| v-<br>Ø- | fo/kku   | gls |     | 'kclMk<br>i zek.k | ukgh |     | 'kclMk<br>i zek.k | , dww | 'kclMk<br>i zek.k |
|----------|--|-----|-----|-------------------|------|-----|-------------------|-------|-------------------|
|          |  | eys | eyh |                   | eys  | eyh |                   |       |                   |
| 1        | rñgh l k/kkj.k i fjlFkrh e/; s<br>l ñnk Hkkowl gsrk dk | 21  | 39  | 60                | 29   | 11  | 40                | 100   | 100               |
| 2        | rñps ikyd rñP; k Hkkouk<br>l etu ?srk dk               | 13  | 25  | 38                | 37   | 25  | 62                | 100   | 100               |
| 3        | rñgh dkskrgh fu.kz ?srkuk<br>Hkkowl g'sAu ?srk dk      | 24  | 36  | 60                | 26   | 14  | 40                | 100   | 100               |
| 4        | rñgh rñP; k Hkkouk<br>i fjlFkrhud kj cnyr vl rk<br>dk  | 38  | 23  | 61                | 12   | 27  | 39                | 100   | 100               |

Økfy j l kj .khrhy fo/kku Ø-1 o: u vl sy{kk; ; rsdh 100% mRrjnR; ki ßh 60% mRrjnR; kauh l k/kkj .k i fjlFkrh e/; s Hkkowl g's ; kfo"K; h g's EgVys vl u ; ke/; s 21% eys o 39% eyhps i zek.k l okz tklr vkgs rj 40% mRrjnR; kauh l k/kkj .k i fjlFkrh e/; s Hkkowl g's ; kfo"K; h ukgh EgVys vkgs ; ke/; s 29% eys o 11% eyhps i zek.k vk<Gau vkys vkgs Eg.kuu gsxfgrd Li "V gksr

fo/kku Ø-2 o: u vl sy{kk; ; rsdh 100% mRrjnR; ki ßh 38% mRrjnR; kauh ikyd Hkkouk l etu ?s ; kfo"K; h g's EgVys vl u ; ke/; s 13% eys o 25% eyhps i zek.k vk<Gau vkys vkgs rj 62% mRrjnR; kauh ikyd Hkkouk l etu ?s ; kfo"K; h ukgh EgVys vkgs ; ke/; s 37% eys o 25% eyhps i zek.k l okz tklr vkgs Eg.kuu gsxfgrd Li "V gksr

fo/kku Ø-3 o: u vl sy{kk; ; rsdh 100% mRrjnR; ki ßh 60% mRrjnR; kauh Hkkowl g'sAu fu.kz ?s ; kfo"K; h g's EgVys vl u ; ke/; s 24% eys o 36% eyhps i zek.k l okz tklr vkgs rj 40% mRrjnR; kauh Hkkowl g'sAu fu.kz ?s ; kfo"K; h ukgh EgVys vkgs ; ke/; s 26% eys o 14% eyhps vk<Gau vkys vkgs Eg.kuu gsxfgrd Li "V gksr

fo/kku Ø-4 o: u vl sy{kk; ; rsdh 100% mRrjnR; ki ßh 61% mRrjnR; kauh i fjlFkrhud kj Hkkouk cnyfo. ; kfo"K; h g's EgVys vkgs ; ke/; s 38% eys o 25% eyhps i zek.k l okz tklr vkgs rj 39% mRrjnR; kauh i fjlFkrhud kj Hkkouk cnyfo. ; kfo"K; h ukgh EgVys vkgs ; ke/; s 12% eys o 27% eyhps i zek.k fnl u vkys vkgs Eg.kuu gsxfgrd fl /n gksr

fu"d'kz&

1½ 60% fd' kŕj o; hu eyso eyh l k/kkj .k i fjlFkrh e/; s l ñnk Hkkowl gsrk- ; ke/; s Hkkowl g's ; kps i zek.k l okz tklr eyhu e/; s fnl u vkys vkgs

2½ 62% fd' kŕj o; hu eyteyhp ikyd R; kP; k Hkkouk l etu ?kr ukgh- ; ke/; s l okz tklr i zek.k eykps fnl u vkys vkgs

3½ 60% fd' kŕj o; hu eyso eyh Hkkowl g'sAu fu.kz ?srk ; ke/; s l okz tklr i zek.k eyhps fnl u vkys vkgs

4½ 61% fd' kŕj o; hu eyso eyh vki Y; k Hkkouk i fjlFkrhud kj cnyr vl rkr ; ke/; s l okz tklr i zek.k eykps fnl u vkys vkgs

f' kQkj 'kh&

1½ i kydkauh fd' kŕj o; hu eyteyhp; k Hkkoukdmsy{k nnu R; kP; kr l dkj kRed n"Vhdku fod l hr dj kos

2½ fd' kŕj o; hu eyteyhu fu.kz ?srkuk eB; k 0; Drhpkl l Yyk ?; kos

3½ fd' kŕj o; hu eyteyhp; k HkkoukRed l j f{krd k Bh thour R; kau i zek.k l j {kk} o flFjrk feGk; yk i kghts

4½ fd' kŕj o; hu eyteyhu vk'o'; drud kj Lokn; fny i kfgts

5½ fd' kŕj o; hu eyteyhpkl vrRefo'okl ok<fo. ; kl k Bh R; kau rK 0; Drhpsekzh'kz feGk; yk i kfgts

l nHkkz ph&

1½ cks kudj] vyks kh vkf.k dGd.kz& l kelftd l a kksku i /nrh] Jh l kbZukFk i zdk'ku] 2011 i "B- 104

2½ MKW nski kMsl q ok] Qfj ; k ds fnusk & l keW; ekul 'kkl= ] fujkyh i zdk'ku 41 cŕkŕk i B] i wkj 11002] i "B- 69

3½ n; kŕj dj] [kkr] & oßkfl d ekul 'kkl=] Jh i fjeys 'kkg] l h teuknl vkf.k dŕ uh 146 eŕb] 400002] i "B- 66

4½ xlxVsJh-c] & f'k{k.kfo"K; d ekul 'kkl=] dMUVuivVy i zdk'ku fot; uxj i wkj 411030] i "B- 88

5½ MKW i kvhy ok-Hkk- & l a kksku i /nrh] i zkkar i fcyds ku] ukj k; .k i B i wkj 411030

6½ MKW o&gkMi kMsfuyuh& ckyfodkl ] fi a Gki j s vM dai fcy'kl ] egky ukxi j] 440010 i "B- 66



dq T; kRLuk yk- xtflk; s

# 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](mailto:ayisrj@yahoo.in)/[ayisrj2011@gmail.com](mailto:ayisrj2011@gmail.com)  
Website : [www.oldisrj.lbp.world](http://www.oldisrj.lbp.world)