

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

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

### Editorial Board

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

Address:- Ashok Yakkaldevi 258/34, Raviwar Peth, Solapur - 413 005 Maharashtra, India  
Cell : 9595 359 435, Ph No: 02172372010 Email: ayisrj@yahoo.in Website: www.isrj.org



## 'kkyhoKkfud I eh{kki) rhpS Lo: i

jkt'ks[kj f'kns

ejkBh foHkx] n; kun dky[st] I kyi-ij-

I kjka k :- vki Y; kdMsl kfgR; kP; k rYoKkukpk bfrgkl t'uk vkgS I ldr I kfgR; i ja jr I kaxryysl kfgR; kps rYoKku vR; r I qe o oLrfu'B Lo: i kps vkgS "kcnfu'B o vFku'B dko; fopkj gk I ldr I kfgR; rTKkP; k I kfgR; rYoKku fopkj kpk xkHk vkgS i ja q i k"pkY; I kfgR; fopkj HkKoupk xkHk vl .kkjk vkgS "kcn vkf.k "kcnkpk vkrEk Eg.kts "kcnkfkZ gk fopkj oLrfu'B fopkj i ja jk n"zfors rBgk O; Bi fYk"kkL=I qnk fodfl r R; udgrsus "kcn] "kcnkpk vFkZ vyzdkj] vfhk: ph] oHkHk] xkMh] i kpkYh 1/4 "ksh/2 vl sfopkj I ldr I kfgR; rTKkauh ekMys vkgS] rs vktP; k dkGkrhy "kshfopkj vkgS; keGs i kdkR; I kfgR; i ja jae/; s I kfgR; kP; k oLrfu'B fo"ysk.kkph Eg.k.t.p] "kshph ekBh i ja jk /; kukr ; s

i Lrkouk %

ejkBhe/; s "kshy{; h I kfgR; I eh{kki/nrhps mi ; kst u pkGhl , d o' kka whz I q >kys vl s Eg.krk ; srs tuknu I [kkjke xkMxhG ; kauh fofo/k KkufoLrkj & e] 1883 P; k vadkr styl e ; k bazth I Kdfjrk "ksh gk i kfjHkKf'kd "kcn i Fke ; kst yk- 1/4 "kkd dGdj %1985 %34 1/2 vl svl ys rjh 1970 P; k n"kdkr "kshl nHkKz fopkj dj; yk I q okr >kyt- I q okrhpk gk fopkj i k"pkY; "kshfopkj kpk i fjp; ?kMou ns ; ki j rkp e; kznr gkrk- ; k I nHkKz hy ok- ds yys] HkKypnzuekM] v"kkd dGdj] I qh] j I kG] fefyn ekY"k] "kshk i Mfyd] jesh /kkM] fnyhi /kkM]xs ; kps ; ksnku egYokps vkgS i k- e- n- gkrd.kakydj kauh fofoMmu egfo | ky; 1/4 kakyh/2 ; fksnukad 9] 10 o 11 tu 1978 jkst h vk/kfud ejkBh ok<sup>3e</sup>; hu "ksh vkf.k rae ; kps i z; kxfo"ksk ; k fo'k; koj , d i fj l okn ?kMou vk.kyk- ; kr I knj >kys "kshfucak i qrd: i kus i zdkf"kr dsys 1/4 a k- e- n- gkrd.kakydj %1978 1/2 gkrd.kakydj kph i Lrkouk vkf.k xfkry] k "kshl nHkKz ekBsmnekku dj .kkjsvkgS

MkWHkKypnzuekM] ; kauh vud ckrhr ekfyd dke dsysvkgS "kshoKkfud I eh{kki) rhr R; kpsvR; r ekfyd vl s; ksnku vkgS R; kauh "kshoKkfud I eh{kki) rhp; k I dYi upsfoopu dsysvkgS uekM]sgs I [kshy fopuknekjs [kshy xkBrkr ; kpk i R; ; ; krgH ; srs I kfgR; kph Hk'kk ; k NkM]kkuh xfkkr "kshph O; k [; k] "kshpsvFLrj] "kshpsxqk/ke] "kshps i zkj ; k xkS Vh Li 'V djr R; kauh "kshpk I okk fopkj Li 'V dsyk vkgS i fjf" k' Vkr i q f" k- jxs; kP; k dforps 1/4 {kh >kMkoj xk.ksxkrkzo v: .k dksyVdj ; kP; k dforps 1/2 jk.kh/2 "kshy{; h mi ; kst ukpk oLrq kB fnyk vkgS "kshoKkfud i) rhpso"ysk.k djrkuk Hk'kk"kkL=h; v"kk O; ki d vFkZus I k k ekM]yh vkgS vk/kh "kshl nHkKz rkyfod fopkj ekM]u R; kuarj i R; {k mi ; kst u d: u nk[kfoY; kusR; kP; k "kshl nHkKz; k rYofofopkj kyk dkgh, d out i klr >kysvkgS "ksh vkf.k frpsmi ; kst u ; kr R; kauh emyHkr fopkj ekM]ysvkgS- /ouh] "kcn] okD; ] vFLrj ; kph Nkuuh R; kauh dsyh vkgS v"kkd dGdj gsrj Hk'kkdkfon vkgS- R; kpk "ksh o rae gk ys] k egYoi wkz vkgS R; kauh fgnhe/; s "kshl nHkKz fopkj ekM]ysvkgS-

jeshk /kkM]s ; kauh vkj rh i Hk] fnyhi fp=] e<dj] vknhr; k dforps o vkaMdj p] i q y- n'ski kM] "kj .kdckj fyckGs; kP; k x | d rhpS "kshoKkfud fo"ysk.k dsys vkgS "krdkpk "kshfopkj g; k xfkkr vf[ky HkKj rh; ejkBh I kfgR; I esyukP; k v/; {kh; Hk'k.k.kkpk "kshfu' B fopkj ekM]yh vkgS "kshhekd k g; k xfkkr fnyhi /kkM]xs; kauh "kshfo'k; d ys] ku dsysvkgS

ok- ds yys o I j'sk Hkxopkj ; k xq f" k' ; kppgh "kshfo'k; d ys] ku egYokps Bjrs Hkxopkj ; kauh xkfoinkxzt] ckj dj] e<dj ; kP; k dkO; kps "kshy{; h i) rhuso"ysk.k dsysvkgS ^dkd yk" dknajh o xksy i hBk rhy dforpsfo"ysk.k panzkar i kVhy ; kauh dsys vkgS xY; k vkB, d o' kkr dkO; kph egYoi wkz I eh{kki dj .kkjsj .k/kh] f" kns; kph e<dj kP; k dforps "kshoKkfud n'Vdks kkrmu vH; kI o ejkBh dforP; k "kshoj R; kpk i Mysyk i Hkko g; k fo'k; koj ; q th- I h- jkt "ks[kj f" kns] nokum I kuVDdsgs I | dkGkr v/kuu/kuu "kshy{; h dkO; I eh{kki djrkuk fnl u ; s'kr- v"kk "kshoKkfud I eh{kki) rhpSLo: lk I etu ?ksA-

(2) dk0; kl eh{kP; k i) rh

dk0; kpk vH; kl vud i) rhus djrk ; srs R; krhy nku egRokP; k i) rh ikgw- i fgyh i) r Eg. ktsvk'k; kuqkeh gks - dforpk vk'k; dk; vl sy] dohusdforsru dk; vkfo"dr dsysvl sy] dohp; k vfhk0; ah c; kst u dk; vl sy foræ/kuu 0; ä] gks - ; k vk'k; kpsLo: i dk; vl sy äpk vk'k; kuqkeh I keh{kki) rhus vLokn ?krk ; srs dforpk vk'k; kuqkeh vLokn vkf.k dforshy I kån; kpsfo'ySk.k ; kr I iqe Qjd vkgs vk'k; kud kj dforpk HkkokFKZ i kgrkuk doG dkgh I æsrkP; k vk/kj svLokn ?kr-yk tkrk rj I kån; kpsfo'ySk.k djko; kpsEg.ktgh dfore/khy HkkokFKZsjl xg.k gks .k-i jarq; k I kån; kånkh jI xg.kkr doG HkkokFKZ i kfgyk tkr ukgh rj 'kCnK; k I æsrkgy vk'k; ko: u vk'k; krhy I ærh fol ærh i kgrk i kgrk I i grk) incdkkph folrkr tk.kkj vFkZd{kgh i fgyh tkr bFks vk'k; kuqkeh i) rhi {kk , [knh i k; jh i qssxysyh vl rs vk'k; ke/khy uedk Hkk /kjyk tkrks vk'k; kr gGwgGw'kCnkl i grph pky I kån; kånkh fo'ySk.kkyk ykxrs , ocp varj ; ke/; svl sy- , Ugo; k , dp i) rh vl rkr dforps 'kCn'kj hj FkM sctyk gkAu dforr vFkZkdMsf i) r I jdr vl rsk-i) rhe/; sokD; aj I kRedadk0; afg jkl knxfg -"Vh ; k I keh{kki) rhus voyicysyh vl rs v'k; kuqkeh ok I kån; kånkh I keh{kki) rh 0; fäfu"B vl rs dkj .k dforph vud vFkZ pd 'kCndGk vLokndyk vkogd Lo#i kph okVrs

dk0; I keh{kph nq jh i) rh dkgh'kh oLrfu"BL0#i kph vl rs ; k dk0; I eh{kph n"Vh "kCnkFKZ I fgrkSd0; e-vl Y; kus "kCn vkf.k R; kpk vFZvl k ; Ør vl rks rh "kSyhoKkfud i) rh gks - gh I eh{kki) rh "kSyhcjgph vl rs dohp; k dk0; "kSyhpsLo: lk i kgu "kSyhoKkfud i) rhp svLoknkl kBh ok vH; kl kl kBh mi ; kst u dsys tkrS dk0; kP; k fi M/kekrw I onuLohkkrw R; kph "kSyh fuekZ k gks xkfonxzt kph "kSyh] ckydohp "kSyh] e<Zj kph "kSyh] i q f'k- jx; kph "kSyh ; k "kSyh fHkUk jax: i kP; kj fi M/keP; kj I onuLohkkrw; k vkgr- "kSyhps?kVd fLFkj vl ysyrj fo"V "kSyhP; k dohuip vki Y; k "kSyhek/; ekru ?kVd fu; r dsysvvl rkr- Eg.kw "kSyhoKkfud i) rh I kj ; k ok dkskr; kgh oKkfud'kkL=kl kj [kh 'kåkj VDds oLrfu"B ul rs rh dk0; kP; k vk'k; kuqkeh] dk0; kP; k I kån; k kuqkeh I eh{kki) rhp rgyur oLrfu"B vl rs oKkfud'kkL=k/kfj r oLrfu"Brk ; ke/; sul rs dohp fi M/ke] dohp 'kCndGk] rh mi k; ; kst uk c; kst u vkf.k ; karu 0; ä gskkj vFZv'kh] I kM 'kSyhoKkfud i) rhe/; s?kky. ; kr ; rs 'kSyhoKkfud I eh{kki) rh gh Hkk'kk'kkL=kRtuk i) rh vkgs

¼.½ Hkk'kkfoKku vkf.k 'kSyhoKku

'kSyhoKkfud I eh{kki) rhp I fkr rhp vkgs Eg.ktP rh I eh{k0; ogkjr Qkj'kh fç; ukgh- rjgh 'kSyhoKkfud I eh{k vk/kfud dkGrhy egYokph vH; kl i) rh vkgs vH; kl kph] I åkkukph f{krts folrkr rögk vpd vH; kl i) rhuka eglo ; rs ; i .k 'kSyhoKkfud I eh{kki) rhp fDy"VreGsrpk vH; kl krhy mi k; kst u jkfgysukgh

'kSyhoKkfud Hkk'kkfoKkukph , d 'kk [kk vkgs Hkk'kkfoKkukseglo i wkZvH; kl ?kVd 'kSyhoKkuk vrfgr vkgr- /ofu] 'kCn] okD; ] vFkZrj kph I j puk gh Hkk'kkfoKkukph fu; r rYos vkgr- ; k fu; r rRokpk 'kåsk ?kAu vH; kl dj .ksgk 'kSyhoKkukpk egYkar m) š k Hkk'kP; k vLrRokph çk.krRos vkgr- ; k rYokpk vH; kl Hkk'kkfoKkukr gksrs Hkk'kP; k mRi Uki kl u i fjorZki ; rps vH; kl {k=Hkk'kkfoKkukr ; rs Hkk'kkfoKku gs'kkL= vkgs 'kkL= oLrfu"B vl rs Eg.kw Hkk'kkfoKku oLrfu"B gksrs 'kSyhoKkukusHkk'kkfoKkukph rYos LohdkjY; kusR; kr oLrfu"Brk ; skj ; i .k i | kP; k vH; kl krgh oLrfu"Brk ; rs dkj .k vFkZgy 'kCndGpk 'kSyhoKkukr vH; kl gksr k vFkZgy ; krhy uedk rdkP; k vk/kj svFZLohdkjyk tkrks mnkj .kkFZM,- Hkkypæ uækMs; kauh i {kh >kMkoj xk.ksxkrks¼ q f'k- jx&zo bj.k kh ¼v# .k dkyVdj½ ; k dforpsdysysfo'ySk.k gs oLrfu"B vkgs ¼ kfgR; kph Hkk'kk%1998 %61&80%

¼½ Hkk'kk'kkL=h; i) r dh 'kSyhoKku

'kSyhoKku gh , d vH; kl çfI) vkgs frph I folrj ppkZ vki .k dsyh- i jarq 'kSyhoKkfud i) rh vkf.k Hkk'kk'kkL=h; vH; kl i) rh ; kr uedsvrj dk; \ fdeqpk 'kSyhoKkfud vH; kl i) rhykp Hkk'kk'kkL=h; vH; kl i) rh EgVys tkrS ; k nkgh Loræ vH; kl I æYi uk vkgr-nkghpk j puko; g&fopkj 0; g oxoxGsvkgs ; k fo"k; hph pfdRI k djrk ; rs ; k nku vH; kl i) rhe/; seyHkar Lo: i kpk Hkn vkgs , d xkSV v'kh dh] 'kSyhoKkfud vH; kl i) rh 'kSyhph] jhrh'kh] i) rh'kh fuxMhr vl rs vkfo"dkj kph th dkgh, d jhr vl sy R; k jhrh'kh 'kSyh vutkxd vl rs xkfonxZ; kph 'kSyh vkf.k e<Zj kph 'kSyh] i qf'k- jx; kph 'kSyh vkf.k bñjk I r kph 'kSyh vl s tögk EgVys tkrS ok rI k vH; kl dsyk tkrk rögk dohp; k vkfo"—r fo"V v'kk dk0; i) rhp & dk0; 'kSyhpk vH; kl vfhkçr vl rks vkfo"dkj kph R; kph jhr d'kh vkgs vkf.k vkfo"dkj & fo"ksk dk; vl rkr gp R; kr i fgystkrS

'kSyhph , d jhr vl rs , d 'kSyh I jI dV I oZdoh&ys[kdkph ul rs fo"V eukMiedk vl .kkj ; kph , d I oZ k/kj .k 'kSyh r; kj gksrs mnkj .kkFZ egukto'kSyh] i æMhr'kSyh] 'kkfjgh'kSyh b- v'kk I ænk; n'kZ xqk/kekrh 'kSyh- T; k mYys[kru fo"V çorhpk] fo"V xqkpk mYys[k R; k] jsn'kfoyk tkrSR; koGh tñh 'kSyh] vk/kfud 'kSyh v'kk 'kCnç; ksckru tñ; k&u0; k dkGrhy Hkk'kpsl inHkZ Li "V gksr- 'kSyh gh I koZfud ul rs rh eul; Lohkkr brdh 0; kfeJ&xqkxrhph vl rs Hkk'kk gs'kSyhseG I k/ku vl rsdk \vkf.k rp , dek= I k/ku vl rsdk \dh fo"V 'kSyh 0; ä gks ; kl kBh brj dkgh xkSVh ij d vl rkr \rj 'kSyh kBh vud xkSVh ij d

Bjkr- dohyk fnl .kkj fo"K; ] R; k fo"K; kph dohph l et] dohpk fi M/ke] dohpk l oñuLoHkko] dohph Hkk"kk l oñuk vkf. k R; kph fopkj dj. ; kph o fopkj ok Hkkouk çdVhdj .kkph jhr ; k l okz/kuu dohph 'kSyh çdV gkrs , dñj dykR; k l ñHkkz- l kfgR; dyr vk<G. kkj; k æ0; ] ek/; e o : i ; k rRokR; k vk/kkjs 'kSyhps Lo: i fuf'pr dsys tkrS Vhd'kkL=kr l kfgR; krhy LFky&dky & 0; fä l ki f'k 'kSyhpk fopkj dsys tkrS uækMs % 1998 % 37% çpM fujh{k.k] vQykrw çf) eÜkk] fouknkph >kjy] mi gl u vkf. k tuelul kfo"K; hpk dGoGk o R; k dGoG; ki kVh mRi Uu gskkj d# .kk] Lor-%jkçj 0; oLFkpkgh mi gkl dj .k] l ektkph vucl : is çdV dj. ; kçjkçj l çk fo'okrh L=hpsnq [k ekM.kkj; k doh v#.k çkG— .k dksyVdjkph dk0; 'kSyh; R; kx'khy çhrhps mÜkç f'k[kj mHksdj .kkj} ekuokph çkFkçk dj .kkjsok l et'kfo"K; h dGoG vl .kkjsekuorkoknh doh d] çkxzt vkf. k urj Eg. kt} f<%ä P; k n'kdki l u mi jkç fu mi gkl ¼ æç&æçæu½ dk0; dj .kkjs d] çkxzt ; kph dk0; 'kSyh] /kñ çhrhph mRQy dfor k dj .kkj; k çkG— .k Hkxor çk dj kph dk0; 'kSyh fdok dkexkjfo' o v/kçj [kr dj .kkj; k ukj; . k l øz kph dk0; 'kSyh BR; knh dohR; k dk0; kP; k0; kZ' kSyhph ffdRl k djrk rçgk rh dk0; 'kSyh Loræ 'kSyh vl rs Style is the man himself Eg. krkr rh gh , dçk doh - yç[kdkph Loræ dk0; 'kSyh vl rs R; kr dohR; k fo'k"V 'kSyhpk vH; kl vffkçr vl rks gk vH; kl 'kSyh kh fuxfMr vl Y; kus dohP; k dforrh vkfo"dkj fo'kçk] tkf. kok vkf. k vk'k; ] dohpk l oñuLoHkko 'kSyhoKkfud i) rhp]kjsi kgrk ; rs ; kpcjkçj vyçdkj] Nñ ; kP; k r w dfor k d'kh vkçkj ?krsçgh çdkçusi kfgystkrS

'kSyhoKkfud i) rhp; k}kjsdk0; kpk vH; kl djrkuk vk'k; kuçkeh i) rhi {kk gh i) r vf/kd oLrñu"B vl r} çsuf' pr gkrs vk'k; kuçkeh vH; kl i) rh gh dkgh vâkh l ñnX/k vl rs i .k 'kSyhoKkfud vH; kl i) rh vkfo"dkj fo'kçk] tkf. kok vk'k; vkf. k vyçdkj o Nñ ; kççs xçixçrhp] uhj l ] çkçMh gkrs i . k frP; kççs dk0; kP; k çkâ xkSVh o frph ekul f0; k v'k' xçixçr gkç u uedç .kk i çgk ful Vrks rhe/; s dk0; kP; k vkarj - çkâ v'kk nkçgh Lo: i kps fo'yçk. k vl r} Eg. ku 'kSyhoKkfud i) rhi {kk Hkk"kk'kkL=h; vH; kl i) rh vf/kd oLrñu"B vl r} l i "V vl rs

Hkk"kk'kkL=h; vH; kl i) rh gh 'kSyhoKkfud vH; kl i) rhp i çph i k; jh] vl sEg. krk ; bÿ- ; kl ñHkkz- Mj- Hkypæ uækMs dk; Eg. krkr rs i kgrk ; bÿ : , [knh dfor k gh l rr i jhp; kr y{kr jkgrs frP; k l æçkpk eV; fu. kç] Eg. kts rh d'kh vkçç gçh okpY; kçjkçj ekçki .ks Bjrsdkforps fo'yçk. k çkurj gkrs rFkfi] fo'yçk. k [kkçx çfrf0; k eukl kçkknh i) rhus ns ; k, oth çkforps Lo: i Lor%y k o brjkuk vf/kd Li "V gks; kl kçh oLrñu"B i) rhp i xjt vl rs dforP; k fo'yçk. kP; k vucl oLrñu"B i) rh mi yç/k vl u Hkk"kk'kkL=h; i) r gh R; ki çh , d vkçs Hkk"kk'kkL= gs l okç/kd çxr eku0; 'kkL= l etys tkr vl Y; kus Hkk"kk'kkL=kus çLFkfi r dçy; k Hkk"kd eyrRokR; k vk/kkçl çgrpsfo'yçk. k vf/kd oLrñu"B gkç 'kçrs l kfgR; kpk vfo"dkj Hkk"krw 'kD; vl Y; kus Hkk"kk çk ek ] kçpk d l kçh kbi çkçk dç; kl l kfgR; -rhp vçjçuk vf/kd fo'okl çhr; k çkr'k'k' ykç. ; kph 'kD; rk okçrs ¼ kfgR; kph Hkk"kk %1998 %73&74%

'kSyhoKku Hkk"kkfoKkukph , d 'kk [kk vkçs dforpk vH; kl Hkk"kk'kkL=h; i) rhus dj. ; ki f'k 'kSyhoKkfud i) rhus dj .ks vf/kd Jç Ldj vl rs dkj .k dfor k gk okMe; kçdkj Hkk"kkoki kçkP; k çkrhr vk0gkukRed vl rks dk0; Hkk"kk 0; ogkj Hkk"kph ekM'rçM d: u oç'k"V i wçjR; k mi ; kçtysy vl rs rhe/; s Hkk"kyk l tçikrGhoj usys tkrSdeh deh Hkk"kpk oki j vl rksd/kh d/kh rj dkgh 'kçkph i çjkoÜkh d: u d: u R; k 'kçnkuk l tçkP; k vk0gkuk i krGhoj usys tkrsmnçgç .kkçkç 'i çdGk' 'jçkç' ; k i ç f'k- jç; kP; k dfor k ; kr Hkk"kk mi ; kst u fdrhl svkçs vR; Yi vYi kçjkr l tçrpsfoykç i wç: i mHks çs yvkçs R; kç/khy ukf; dkph ngLoh] pççU; i wç volFkç çdV >kyh vkççkç dfor kps fo'yçk. k djrkuk dksrh , d i) rh i çç kh gkçç dkR; k vi ç; k okVrhy dk\ dohuh vki Y; k 'kSyheçs FkVLFkr l klysyh fnl u ; rsvkLokndyk dfoeurhy fp= Li "V djç; ps vl y rj dohP; k 'kSyhpk myxMk dj .kkj h i) rh l ehçkçkç mi ; kst koh ykçy-v'kkoçh 'kSyHkk"kkfoKku ; k nkçgh mi ; kçh i Mkr- æ0; kpk 'kçkç'kçkç'kçkç dohP; k l oñu LoHkkokps fo'yçk. k d: u vffkç#pçççdVu gkççç- 'kSyhP; k vuçkçkç.ks vkfo"dkj krhy çkâ rçk=d xkSVh dGrhy- l kñ; kP; k vkLonkuk rçk=d [kçkpk e/kç/k myxMk djhr xç; kl vYi kçjç Hkk"kkçkçkrhy l kñ; kP; k çl j .k'khy Mçkçkpsvkçy gkççç-

çç'kSyhoKkfud vH; kl i) rh : Lo: i vkf. k y{çk. ks

Hkk"kk çsyfyr l kfgR; kps l k/ku vkçs Hkk"kk ; k l koçtfud 0; k0gkjkl k/kkukP; k yfyr l kfgR; kr vuçkçud i fjuh oki j gkr vl rks Hkk"kkP; k mi ; kstukr dykRedrk vk. ku rhpç l tçç#igh fl ) dsys tkrS Hkk"kk l koçtfud 0; ogkj k/ku vl ys rjh 0; kâhi kryhoj Hkk"kr Hkç ?kçyr vl rks uouohu 'kçn ?kçMfor vl rks fç?kçMow R; kâk i fçorç: i nr vl rks çsi fçorç uç rso/kU; : i kpsul u vçkç i kphç vl rs vçkç g l kñ; çvffk0; ä dj. ; kps l kçkçkçHkk"kr vl rs ; k vffk0; ähe/; s0; kogkçj d] oçkçj d Hkk"kkP; k 0; kdj .kkP; k fu; ekpsmYçku çsystkrS yç[kd Lor%ph pçkçV mHkç d: u vki yç vffk0; äh dj rks R; kykp 'kSyh Eg. krk ; bÿ- , [kk | k fo'k"V ek/; ekçjçsfo'k"V : i ke/; ççdV dj. ; kdfjrk oki j Y; k tk. kU; k ræ-kl keç; k; kph i) r Eg. kts 'kSyh ¼Hkypæ uækMs%1998 % 39%

yç[kd 'kSyh fuekç dkj rks Eg. kts l gl k , [knh xkçV vkBoyh Eg. ku dç; kl kj [kh ul rs 'kSyh Eg. kts dkgh vâkh yç[kd LoHkko vl rks dkç yk o frph HkkOMç nç[k. kh] VhdçLo; çj] R; kph l kçk Hkk"kk. ks ; k l oççFkr Hkk"kkpç vH; kl i kfgY; kuarj 'kSyh Eg. kts yç[kdkpç LoHkko/ke] l oñuLoHkko vl rçç vl sEg. kko; kl tçkç vkçs 'kSyhpk vH; kl Eg. kts doh - yç[kdkP; k LoHkko/keçkç vH; kl ul rks doh - yç[kdkph 'kSyh æ0; kP; k çdVukl kçh oki j çyç fplçç ydçh gçs - gh fplçç ydçh çdV djrkuk R; k vMuu R; kP; k eyçp l oñu l ñHkç LouLrj] i kfnedLrj] okD; kfou; kl fu%kkçhçj .k ççkçkrhy #i kyk egRo ; rs ; kps dkgh xçk/keç vkçç- Hkypæ uækMs; kP; k erç Hkk"kpsvucl i ; kç vl rkuk /ouh] 'kçn] 'kçnjpuç] okD; jpuç] 0; kdj .k fo'kçk vkf. k yç[kdkçsgp dk ; kpk

'kkdkd ?ks ksEg. kts' kSyhpsxqk/kezi kg. ksgls ] vl sEgVysvkgS uekMti kauh 'kSyhpsdkgh xqk/ke] l kfxrysvkgr-

1/2 kSyhr Hkk"kpki oki j] fuoM ak LokHkkfod ekuoh colUkhuq kj dsysyk vl rks  
1/4, 1/2 < Hkk"ksi qkk osxGk Hkk"kkq; kx dj .kj Hkk"kph grfu"V ekM/rkM] 0; ogkj kP; k Hkk"ksyk oG. k ns ks  
1/4. 1/4; ogkj Hkk"ksi qkk l kfgR; d Hkk"ks- vf/kdRo vk. ku : i kP; k l j pusyk Hk: u Vkd. ks  
1/4t 1/4Hkk"kk os" k"Vti kauk vko' ; d l nHkZ i j fo. ks  
1/4t 1/4of' k"V Hkkf"kd : i kph l figrs grqj LL j i qj koUkh ?kMou vk. k. ks/4 kfgR; kph Hkk"kk %1998 %42 1/2

uekMs; kauh 'kSyhpki folr' o 0; ki d vl k fopkj dsysyk vkgS R; kauh 'kSyhpsxqk/keZl kakrk l kakrk 'kSyhp; k vH; kl kpsqdkj gh  
l kfxrysvkgr-l kfgR; karxir l kfgR; kph 'kSyh] os fad 'kSyh ; q' kSyh] l kfgR; qdkj kph 'kSyh gs qdkj i kMuuuedi .kkus 'kSyhpki 'kkdk  
?krk ; r k] gsl kfxrysvkgs uekMti kauh 'kSyh l akHkZ l okkh. k fopkj ekMlysyk vkgS

l kj ka k] 'kSyhp; k vuUkxkus l kfgR; kpk dsysyk vH; kl l kfgR; kpk fop{kd vH; kl vl w'kkdrk i .k R; kOnkjsokMe; eW; 'kkdku  
djrk ; r ukgh- eW; 'kkdk. ; kl o fu. k] ns; kl l eh{k l {ke vl rs fryk 'kSyh l gk; ; djrs 'kSyhfopkj gh , d fo' ySk. kRed 'kkL=h;  
i ) rh vl u fryk eW; eki u vkf. k eW; kfu. k] gh nkkgh dk; d djrk ; r ukgh- gseW; kfo" k; d dk; Z l kfgR; l eh{kpsl etys tkrs  
l eh{kysk mi ; q Bj. kks 'kSyhfopkj , d egRokps l k/ku Qa vkgS Hkkypae uekMs % 1998 % 51 1/2 ; k vuUkxkus v# .k dksyVdj kP; k  
dforpk fopkj qLr q cdkkr djko; kpk vkgS

**l nHkZ:**

1/2 dGdj] v'kkd %1985 %p' kSyh vkf. k ra=β] Mdu d,yst] i qks  
1/4, 1/4 a k-1/2 gkrduxydj] e- n %178 %pokMe; hu 'kSyh vkf. k ra=β] Jhfo | k qdk' ku] i qks  
1/4. 1/4uekM] Hkkypin %1998 %p l kfgR; kph Hkk"kkB] l kdr qdk' ku] vkj akckn-



jkt' ks[kj f'kans  
ejk Bh foHkx] n; kuan dkkyst] l ksyki j-

# 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