

List of Publications(*List of papers published, in year wise descending order*).

Books, monographs and Review. published.

BOOK CHAPTERS

- a. Renjini A.P. and laloraya M (2018) Reprogramming of the uterus is de rigueur for successful embryo implantation.(Molecular Medicine – Bench to Bedside & Beyond .357-366
- b. [Brahmaraju M, Laloraya M and Kumar PG](#)(2009) Immunodominant sperm antigens and their role in male infertility. In: Current Paradigm of Reproductive Immunology, 2009: 59-81.
- c. Kumar GP and **Laloraya M** (1997) Contraception *In: Oxidative stress in male infertility* (Ochsendorf FR and Fuchs J, eds.), Gardez! Verlag, St. Augustin, Germany, pp. 185-196.

REVIEWS

- a. Padmanabhan RA, **Laloraya M**. Estrogen-Initiated Protein Interactomes During Embryo Implantation. Am J Reprod Immunol. 2016 Mar;75(3):256-62. doi: 10.1111/aji.12455. Epub 2015 Dec 14.
- b. **Laloraya M** and Padmanabhan AR (2016) Forbearance of the Immune System during Pregnancy: Fetal Parasite Takes an Estrogenic Way! Reproductive Immunol Open Acc 1:21.
- c. [Kumar PG, Laloraya M, She JX](#). (2002) Population genetics and functions of the autoimmune regulator (AIRE) In: Endocrinology and Metabolism Clinics of North America. Eisenbarth GD, ed. Harcourt, PA, USA, 2002 Jun;31(2):321-38, vi.
- d. [Purohit SB, Laloraya M, Kumar GP](#). (1999) Role of ions and ion channels in capacitation and acrosome reaction of spermatozoa. Asian J. Androl. 1: 95-107.

Research Publications:

S.No.	Author(s)	Title	Journal Details	Year	Impact factor	Citation Index
1	Mohan JJ, Narayan P, Padmanabhan RA, Joseph S, Kumar PG, Laloraya M .	Silencing of Dedicator of cytokinesis(DOCK180) obliterates pregnancy by interfering with decidualization due to blockage of nuclear entry of Autoimmune regulator(AIRE)	Am J Reprod Immunol Mar 8. doi: 10.1111/aji.12844. [Epub ahead of print]	2018	3.013	
2	Krishna MB, Joseph A, Thomas PL, Dsilva B, Pillai SM, Laloraya M	Impaired Arginine Metabolism Coupled to a Defective Redox Conduit Contributes to Low Plasma Nitric Oxide in Polycystic Ovary Syndrome.	Cell PhysiolBiochem. 2017 Oct 20;43(5):1880-1892	2017	5.104	
3	Soumya V, Padmanabhan RA, Titus S, Laloraya M .	Murine uterine decidualization is a novel function of autoimmune regulator-beyond immune tolerance	Am J Reprod Immunol. 2016 Sep;76(3):224-34.	2016	3.013	
4	Indu S, Sekhar SC, Sengottaiyan J, Kumar A, Pillai SM, Laloraya M ,	Aberrant expression of Dynein light chain 1 is associated with human male factor infertility	Mol Cell Proteomics. 2015 Dec;14(12):3185-95.	2015	5.912	

	Kumar PG.					
5	Krishna MB, Joseph A, Subramaniam AG, Gupta A, Pillai SM, Laloraya M.	Reduced Tregs in Peripheral Blood of PCOS Patients - a Consequence of Aberrant IL2 Signaling.	J Clin Endocrinol Metab. 2015 Jan;100(1):282-92.	2015	5.531	3
6	Renjini AP, Titus S, Narayan P, Murali M, Jha RK, Laloraya M.	STAT3 and Mcl-1 unite to cause mesenchymal epithelial transition	J Cell Sci. 2014 Apr 15;127(Pt 8):1738-50.	2014	5.432	11
7	Maurya VK, Jha RK, Kumar V, Joshi A, Chadchan S, Mohan JJ, Laloraya M.	Transforming growth factor-beta 1 (TGF-B1) liberation from its latent complex during embryo implantation and its regulation by estradiol in mouse.	Biol Reprod. 2013 Oct 10;89(4):84, 1-17.	2013	3.451	23
8	Chandrasekhar A, Laloraya M , Kumar PG. .	Modulation of nicotinamide adenine dinucleotide phosphate oxidase activity through sequential posttranslational modifications of p22 phagocytic oxidase during capacitation and acrosome reaction in goat spermatozoa	J Anim Sci. 2011 Oct;89(10):2995-3007.	2011	2.096	2
9	Padmanabhan RA, Nirmala L, Murali M, Laloraya M.	CrkL is a Co-Activator of Estrogen Receptor {alpha} That Enhances Tumorigenic Potential in Cancer.	Mol Endocrinol. 2011 Jun 23. 25(9):1499-1512	2011	4.544	11
10	Brahmaraju M, Bhagya KP, Titus S, Sebastian A, Devi AN, Laloraya M , Kumar PG	AIRE1A might be involved in cyclin B2 degradation in testicular lysates.	Biochem Cell Biol. 2011 Aug;89(4):411-22.	2011	2.673	3
11	Chandrakuntal K, Shah AK, Thomas NM, Karthika V, Laloraya M , KumarPG and Laloraya MM	Blue light exposure targets NADPH oxidase to plasma membrane and nucleus in wheat coleoptiles	J Plant Growth Reg 29, 232-241.	2010	2.066	4
12	Shoeb M, Laloraya M and Kumar PG	Progesterone-induced reorganization of NOX-2 components in membrane rafts is critical for sperm functioning in <i>Capra hircus</i> .	Andrologia 2010 Dec; 42(6), 356-65.	2010	1.244	3
13	S. Purohit, M. Laloraya & P. G. Kumar	Distribution of N- and O-linked oligosaccharides on surface of spermatozoa from normal and infertile subjects	Andrologia. 2008 Feb;40(1):7-12.	2008	1.3	17
14	Mohan JJ, Jha RK, Kumar PG, Dharmarajan AM and Laloraya M	Secreted Frizzles-Related Protein (sFRP4) can abrogate pregnancy – a new dimension in its biological role.	J. Endocrinol. Reprod. 11(1), 41-44.	2007		
15	Chandran U, Laloraya M and Kumar PG	Identification of testis-expressed cell cycle regulating proteins with special reference to meiosis.	J. Endocrinol. Reprod. 11(1), 45-48	2007		

16	Selot R, Kumar V, Shukla S, Chandrakuntal K, Brahmaraju M, Dandin SB, Laloraya M , Kumar PG..	Identification of a soluble NADPH oxidoreductase (BmNOX) with antiviral activities in the gut juice of Bombyx mori.	Biosci. Biotechnol. Biochem. 2007 Jan;71(1):200-5	2007	1.38	37
17	Jha RK, Titus S, Saxena D, Kumar PG, Laloraya M :	Profiling of E-cadherin, β -catenin and Ca ²⁺ in embryo uterine interactions at implantation.	FEBS Lett. 2006 Oct 16;580(24):5653-60.	2006	3.372	58
18	Chandrakuntal K, Thomas NM, Kumar PG, Laloraya M , Laloraya MM.	Fluorescence Resonance Energy Transfer Between Polyphenolic Compounds and Riboflavin Indicates a Possible Accessory Photoreceptor Function for Some Polyphenolic Compounds	PhotochemPhotobiol. 2006 Sep-Oct;82(5):1358-64.	2006	2.061	12
19	Laloraya M , Davoodi-Semiromi A, Kumar GP, McDuffie M, She JX.	Impaired Crkl expression contributes to the defective DNA binding of Stat5b in nonobese diabetic mice.	Diabetes. 2006 Mar;55(3):734-41	2006	7.995	21
20	Shukla S, Jha RK, Laloraya M , Kumar PG.	Identification of non-mitochondrial NADPH oxidase and the spatio-temporal organization of its components in mouse spermatozoa.	BiochemBiophys Res Commun. 2005 Jun 3;331(2):476-83	2005	3.0	29
21	Purohit S, Kumar PG, Laloraya M , She JX.	Mapping DNA-binding domains of the auto-immune regulator (AIRE) protein.	BiochemBiophys Res Commun. 2005 Feb 18;327(3):939-44.	2005	3.0	49
22	Chandrakuntal K, Kumar PG, Laloraya M , Laloraya MM.	Direct involvement of hydrogen peroxide in curvature of wheat coleoptile in blue-light treated and dark-grown coleoptiles.	BiochemBiophys Res Commun. 2004 Jul 9;319(4):1190-6.	2004	2.904	10
23	Nautiyal J, Kumar PG, Laloraya M .	Mifepristone (ru486) antagonizes monocyte chemotactic protein-3 down-regulation at early mouse pregnancy revealing immunomodulatory events in ru486 induced abortion.	Am J Reprod Immunol. 2004 Jul;52(1):8-18	2004	1.808	16
24	Brahmaraju M, Shueb M, Laloraya M , Kumar PG.	Spatio-temporal organization of Vam6P and SNAP on mouse spermatozoa and their involvement in sperm-zona pellucida interactions.	BiochemBiophys Res Commun. 2004 May 21;318(1):148-55	2004	2.904	14
25	Nautiyal J, Kumar PG, Laloraya M ..;	17 β -estradiol induces nuclear translocation of Crk-L at the window of embryo implantation	BiochemBiophys Res Commun. 2004 May 21;318(1):103-12.	2004	2.904	15
26	Purohit S, Brahmaraju M, Palta A, Shukla S, Laloraya M , Kumar	Impaired E-cadherin expression in human spermatozoa in a male factor infertility subset signifies E-cadherin-mediated adhesion	BiochemBiophys Res Commun. 2004 Apr	2004	2.904	14

	PG.	mechanisms operative in sperm- oolemma interactions.	9;316(3):903-9.			
27	Shoeb M, Laloraya M , Kumar PG..	Formation and Dynamic Alterations of Horizontal Microdomains in sperm Membranes During Progesterone-Induced Acrosome Reaction.	Biochem Biophys Res Commun. 2004 Mar 12;315(3):763-70.	2004	2.904	9
28	Davoodi-Semiromi A*, Laloraya M* , Kumar GP, Purohit S, Jha RK, She JX. *Equal contribution	A mutant <i>Stat5b</i> with weaker DNA binding affinity defines a key defective pathway in non-obese diabetic (NOD) mice.	J Biol Chem. 2004 Mar 19;279(12):11553-61.	2004	6.355	36
29	Chatterjee S, Rahman MM, Laloraya M , Kumar GP.	Sperm disposal system in spermatoc granuloma: a link with superoxide radicals.	Int J Androl. 2001 Oct;24(5):278-83.	2001	1.616	7
30	Kumar PG, Laloraya M , Wang CY, Ruan QG, Davoodi-Semiromi A, Kao KJ, She JX.	The Autoimmune Regulator (AIRE) Is a DNA-binding Protein	J. Biol. Chem., Vol. 276, Issue 44, 41357-41364.	2001	7.258	148
31	Chatterjee S, Laloraya M , Kumar GP.	Regional Variations in Thiol Distribution Pattern and Superoxide Dismutase Activity of the Male Reproductive Tract of the Rat Modulate the Transport of Spermatozoa through the Epididymis and Vas deferens	Urol Int. 2001;66(2):100-4.	2001	0.540	1
32	Saxena D, Purohit SB, Kumer GP, Laloraya M .	Increased appearance of inducible nitric oxide synthase in the uterus and embryo at implantation.	Nitric Oxide : Biology and Chemistry 4(4), 384-391.	2000	2.2250	56
33	Purohit SB, Saxena D, Laloraya M , Kumar G P.	Altered molecular dynamics and antioxidant status in the spermatozoa in a testosterone induced oligozoospermia model	Mol Reprod. Dev. 55(3), 316-325..	2000	2.535	8
34	Jain S, Saxena D, Kumar GP, Laloraya M .	NADPH dependent superoxide generation in the ovary and uterus of mice during estrus cycle and early pregnancy.	Life Sci. 66, 1139-1146.	2000	1.808	26
35	Jain S, Saxena D, Kumar PG, Koide SS, Laloraya M .	Effect of estradiol and selected antiestrogens on pro- and anti-oxidant pathway in mammalian uterus	Contraception 60(2), 111-118.	1999	1.916	32
36	Agnihotri S, Purohit SB, Laloraya M , Kumar GP.	Regional Heterogeneity in Intracellular Distribution of Superoxide and Hydrogen Peroxide within the sperm and its relation to Sperm Development.	Archives of Andrology, 43, 113-121	1999	0.582	11
37	Laloraya MM, Chandra-kuntal K, Kumar GP, Laloraya M .	Active oxygen species in blue light mediated signal transduction in coleoptile tips.	Biochem. Biophys. Res. Commun. 256(2), 293-298.	1999	3.161	12

38	Prakash P, Laloraya M , Kumar P.	Influence of a melatonin implant on the free radical load in avian thyroid and its relation with thyroid hormonogenesis.	Biochem. Mol. Biol. Intl. 46(6), 1249-1258.	1998	0.792	15
39	Prakash P, Kumar GP, Laloraya M , Hemnani T, Parihar MS ,	Superoxide anion radical generation as a temperature stress response in the gills of fresh water catfish <i>Heteropneustes fossilis</i> : role in mucus exudation under elevated temperature.	Comp. Biochem. Physiol. C. Pharmacol. Toxicol. Endocrinol. 119(2), 211-216..	1998	0.608	12
40	Khanna-Chopra R, Dalal M, Kumar GP, Laloraya M .	A genetic system involving superoxide causes F-1 necrosis in wheat (<i>T. aestivum</i> L.)	Biochem. Biophys. Res. Commun. 248(3), 712-715.	1998	2.780	29
41	Purohit SB, Laloraya M , Kumar PG.	Bicarbonate-dependent lipid ordering and protein aggregation are part of non-genomic action of progesterone on capacitated spermatozoa	J. Androl. 19(5), 608-618.	1998	2.278	19
42	Purohit SB, Laloraya M , Kumar GP.	Acrosome reaction inducers impose alterations in repulsive strain and hydration barrier in human sperm membranes.	Biochem. Mol. Biol. Intl. 45(2), 227-235.	1998	0.792	10
43	Prem P, Parihar MS, Malini L , Pradeep KG.	Starvation-induced hypothyroidism involves perturbations in thyroid superoxide-SOD system in pigeons	Biochem. Mol. Biol. Intl. 45(1), 73-83.	1998	0.792	7
44	Singh PP, Kumar P, Laloraya M .	Regulation of superoxide anion radical-superoxide dismutase system in the avian thyroid by TSH with reference to thyroid hormonogenesis.	Biochem. Biophys. Res. Commun. 239 (1), 212-216.	1997	2.671	9
45	Chatterjee S, Reddy AL, Laloraya M , Kumar PG.	Free radical mediated sperm load management in the vagina of rat.	Arch Androl. 1997 Sep-Oct;39(2):127-33.	1997	0.445	
46	Chatterjee S, Laloraya M , Kumar PG.	Superoxide anion radical mediated dissection of rat sperm: An in vitro study	Arch. Androl. 39 (2), 101-104.	1997	0.445	1
47	Chatterjee S, Purohit SB, Laloraya M , Kumar P.	Vasectomy induced SOD inactivation in the male reproductive tract of rat : A prerequisite for spermatoc granuloma formation.	Urologia Internationalis. 59(1), 23-25.	1997	0.348	
48	Prakash PP, Kumar GP, Laloraya M , Javeri T and Parihar MS.	Superoxide Anion Radical production as a cadmium-mediated mechanism of toxicity in avian thyroid: an electron spin resonance study by spin trapping.	Comp. Biochem. Physiol. 118C(l) 89-95.	1997	0.813	12
49	Negishi H, Kumar GP, Laloraya	Neutralization of pregnancy preventing activity of	Theriogenology 48(2), 241-	1997	1.727	4

	Mand Koide SS	cabergoline, a dopamine agonist, with progesterone	246.			
50	Thomas M, Jain S, Kumar GP, Laloraya M.	A programmed oxyradical burst causes hatching of mouse blastocysts	J. Cell Science 110, 1597-1602.	1997	5.081	32
51	Laloraya M, Thomas M, Jain S, Jafri F, Kumar P.	Activity profile of placental superoxide-superoxide dismutase system in pregnant mice and its possible relation with placental steroidogenesis.	Biochem. Mol..Biol. Intl. 42(5) 983-990.	1997	0.578	1
52	Chatterjee S, Laloraya M, Kumar PG.	Free radical induced liquefaction of ejaculated human semen: A new dimension in semen biochemistry	Arch. Androl. 38 (2), 107-111.	1997	0.445	17
53	Kumar G P, Laloraya M, Koide SS.	Characterization of a uterine luminal fluid protein ULF-250 using N-terminal microsequencing and RT-PCR identifies a novel estrogen-regulated gene in the rat uterus.	FEBS Letters. 399(1-2), 33 -36.	1996	3.750	1
54	Nivsarkar M, Kumar GP, Laloraya M.	Metal binding and resultant loss of phototoxicity of alpha-terthienyl: metal detoxification versus alpha-terthienyl inactivation.	Bull. Environ. Contain. Toxicol. 56, 183-189.	1996	0.69	2
55	Laloraya M, Jain S, Thomas M, Kopergaonkar S, Pradeep Kumar G.	Estrogen surge: A regulatory switch for superoxide radical generation at implantation.	Biochem. Mol.Biol. Intl. 39(5), 933-940.	1996	0.582	21
56	Thomas M, Jain S, Kumar G.P. and Laloraya M.	Variation in reactive sulfhydryl group in mouse uterus in early pregnancy.	Acta Histochem. et cytochim. 28(3), 1995.	1995	0.616	
57	Purohit S, Kumar GP, Laloraya M, Laloraya MM.	Involvement of superoxide radical in signal transduction regulating stomatal movements	Biochem. Biophys. Res. Commun. 205(l), 30-37	1994	3.40	28
58	Jain S, Thomas M, Kumar P, Laloraya M.	Appearance of homogeneous smectic multilamellar microenvironments in biomembranes undergoing superoxide initiated lipid peroxidation: lipid dienyl radical accumulation and fluidity management in lipid bilayers.	Biochem.. Mol. Biol. Intl. 33(5), 853-862	1994	0.566	9
59	Laloraya MM, Pradeep KG, Laloraya M.	Photochemical reaction sequences of blue light activated flavins: sensory transduction through free radical messengers.	Biochem.Mol. Biol. Intl. 33(3), 543-551.	1994	0.566	21
60	Chatterjee S, Laloraya M, Kumar GP.	Free Radical Bombing of Spermatozoa in Spermatic Granuloma: An Attempt to Prevent Autoimmune Switch-On.	Biochem. Biophys. Res..Commun . 201(l), 472-477.	1994	3.40	9
61	Nivsarkar M, Kumar GP, Laloraya M.	Photophysical alterations of erythrocyte membrane by 4,5',8-trimethyl psoralen : Membrane response towards psoralen	Biochem. Biophys. Res..Commun. 199(3), 1413 -	1994	3.40	3

		phototherapy.	1421.			
62	Sinha S, Kumar GP, Laloraya M.	The topography of thiol-distribution on sperm surface : A sensitive marker for human fertility diagnosis.	ClinicaChimica Acta 225, 83-84.	1994	0.958	
63	Thomas M, Jain S, Kumar GP, Laloraya M.	Transient thiol expression and thiol-disulphide cluster-receptor communications-a molecular basis for blastocyst-uterine interactions.	Biochem. Biophys. Res. Commun. 198(1),150-157.	1994	3.40	2
64	Sinha S, Kumar GP, Laloraya M.	Abnormal physical architecture of the lipophilic domains of human sperm membrane in oligospermia: a logical cause for low fertility profiles.	BiochemBiophys Res Commun. 1994 Jan 14;198(1):266-73.	1994	3.40	12
65	Chatterjee S, Laloraya M , Kumar GP.	Exorbitantly enhanced protein gyration and erroneous membrane modification programs after vasectomy: A biophysical basis for low infertility revival after vasectomy.	BiochemBiophys Res Commun. 1993 Dec 15;197(2):450-456.	1993	3.312	08
66	Sinha S, Kumar P, Laloraya M.	Methyl xanthines and altered biomembrane dynamics : Demonstration of protein mobility and enzyme inhibition by caffeine in sperm model system	Biochem. Mol. Biol. Intl. 31(6), 1141-1148.	1993	0.92	06
67	Jain S, Thomas M, Kumar GP, Laloraya M.	Programmed lipid peroxidation of biomembranes generating kinked phospholipids permitting local molecular mobility : A peroxidative theory of fluidity management.	Biochem. Biophys. Res. Commun. 195(2).574-580.	1993	3.312	24
68	Nivsarkar M, Pradeep Kumar G, Laloraya M and Laloraya MM	Effect of ultraviolet activated alpha terthienyl upon anal gill membranes of mosquito larvae : A spin label study.	Biochem. Syst. Ecol. 21(4), 441-447	1993	0.690	06
69	Purohit S, Kumar P, Laloraya M , Bharti S, Laloraya MM.	ABA-induced lipid melting and its reversal by umbelliferone in the plasmalemma of the guard cell protoplast : A breakthrough in plant hormone-receptor binding and hormone action	<i>Biochem. Biophys. Res. Commun.</i> 182(2), 652-658.	1992	3.583	07
70	Nivsarkar M, Kumar GP, Laloraya M , Laloraya MM.	Generation of superoxide anion radical by alpha-terthienyl in the anal gills of mosquito larvae <i>Aedes aegyptii</i> : A new aspect in alpha terthienyl phototoxicity.	Arch. Insect Biochem. Physiol. 19(4) 261-270.	1992	1.50	15
71	Pradeep Kumar G, Sinha S, Laloraya M , Nivsarkar M.	Enhanced axial symmetry at the Fe(III)-heme centre of peroxidase by ascorbate : A basis for the ascorbate dependent peroxidase action.	Biochem. Biophys. Res. Commun. 180(2), 597-601.	1991	3.803	
72	Nivsarkar M,	Superoxide dismutase	Pesticide	1991	1.628	13

	Pradeep Kumar G, Laloraya M and Laloraya MM	inactivation by alpha-terthienyl : A novel observation in thiophene photochemistry.	Biochem. Physiol. 41(I), 53-59.			
73	Singh A, Kumar P, Laloraya M , Verma S, Nivsarkar M.	Superoxide dismutase activity regulation by spermine : A new dimension in spermine biochemistry and sperm development.	Biochem. Biophys. Res. Commun. 177(I), 420-426.	1991	3.803	07
74	Verma S, Kumar P, Laloraya M , Nivsarkar M, Singh A.	Superoxide dismutase activation in thyroid and suppression in adrenal : Novel pituitary regulatory routes	FEBS Letters 282(2), 310-312.	1991	3.479	07
75	Laloraya M , Kumar GP, Laloraya MM..	Changes in the superoxide anion radical and superoxide dismutase levels in the uterus of Rattus norvegicus during the estrous cycle and a possible for superoxide radical in uterine oedema and cell proliferation at proestrus.	Biochem. Cell Biol. 69 (4), 313-316.	1991	1.151	24
76	Kumar PG, Laloraya M , Laloraya MM.	Superoxide radical level and superoxide dismutase activity changes in maturing mammalian spermatozoa	Andrologia 23(2),171-175.	1991	0.317	31
77	Nivsarkar M, Kumar GP, Laloraya M , Laloraya MM.	Superoxide dismutase in the anal gills of the larvae of mosquito Aedes aegyptii : its inhibition by alpha-terthienyl	Arch. Insect Biochem. Physiol. 16(4), 249-255.	1991	1.480	25
78	Sinha S, Pradeep KG, Laloraya M , Warikoo D.	Overexpression of superoxide dismutase and lack of surface thiols in spermatozoa : Inherent defects in oligospermia	Biochem. Biophys. Res. Commun. 174(2), 510-519	1991	3.803	19
79	Pradeep KG, Seerwani N, Laloraya M , Nivsarkar M, Verma S, Singh A.	Superoxide dismutase as a regulatory switch in mammalian testicular steroidogenesis.	Biochem. Biophys. Res. Commun. 173(I), 302-308	1990	3.606	26
80	Kumar GP, Tillo N, Laloraya M , Nivsarkar M, Verma S, Singh A.	Superoxide anion radical induces lipid phase transitions that mimic temperature induced phase transition phenomenon of membrane lipids.	Biochem. Biophys. Res. Commun. 172(2), 601-607	1990	3.606	7
81	Verma S, Kumar GP, Laloraya M , Singh A.	Activation of iodine into a free radical intermediate by superoxide: A physiologically significant step in the iodination of tyrosine	Biochem. Biophys. Res. Commun. 170(3), 1026-1034	1990	3.606	13
82	Verma S, Kumar PG, Laloraya M , Singh A, Nivsarkar M, Bharti S. ,	Discovery of a novel and alternate hydrogen peroxide generation machinery in the mammalian thyroid gland that modulates iodination of tyrosine.	Biochem. Biophys. Res. Commun. 169(I), 1-7.	1990	3.606	10
83	Laloraya M , Pradeep Kumar G, Nivsarkar M and	Localization of superoxide dismutase in the ovary and uterus of mice during pregnancy	Acta Histochem. et Cytochem.	1990	0.661	1

	Laloraya MM	with special reference to steroidogenesis and implantation.	23(3), 271-279.			
84	Kumar GP, Laloraya M , Laloraya MM. .	Powerful anti-sperm motility action of cobaltous ion and its recovery by a sulfhydryl compound	Contraception 41, 633-639.	1990	1.272	13
85	Laloraya M.	Fluidity of Phopholipid bilayer of the endometrium at the time of implantation of the blastocyst-a spin-label study.	Biochem. Biophys. Res. Commun. 167(2), 561-567.	1990	3.606	23
86	Kumar GP, Laloraya M , Agrawal P, Laloraya MM.	The involvement of surface sugars of mammalian spermatozoa in epididymal maturation and in vitro sperm-zona recognition.	Andrologia. 22(2), 179-183.	1990	0.432	20
87	Laloraya M ,, Kumar GP, Laloraya MM.,.	Histochemical study of superoxide dismutase in the ovary of the rat during the oestrous cycle.	J. Reprod. Fertil. 86(2), 583-587.	1989	2.169	36
88	Kumar GP, Laloraya M , Laloraya MM.	Coupling of a proton pump with superoxide radical-superoxide dismutase system in maturing mammalian spermatozoa and its association with sperm motility.	Biochem. Biophys. Res. Commun. 161(2), 771-775.	1989	3.606	5
89	Laloraya M , Kumar GP, Laloraya MM.	A possible role of superoxide anion radical in the process of blastocyst implantation in Mus musculus.	Biochem. Biophys. Res. Commun. 161(2), 762-770.	1989	3.606	41
90	Kumar P, Laloraya M ,, Laloraya MM.	The effect of some of the polyphenolic compounds on sperm motility in vitro: a structure-activity relationship.	Contraception., 39(5), 531-539.	1989	1.272	11
91	Laloraya M , Pradeep KG, Laloraya MM. .,	Changes in the levels of superoxide anion radical and superoxide dismutase during the estrous cycle of <i>Rattus norvegicus</i> and induction of superoxide dismutase in rat ovary by lutropin.	Biochem. Biophys. Res. Commun. 157(1), 146-153.	1988	3.25	113