

Dr. Balasaheb Vikhe Patil Rural Medical College

RMC Publications 2022-2023

Sr. No	Department	Faculty Name	Publication in Vancouver referencing Style						PUBMED Indexed	SCOPUS Indexed
			Publication Title	Journal Title	Year	Vol No	Issue	Page No.		
1.	Anaesthesia	Shetti, A. N., Singla, B., Mustilwar, R. G., Karigar, S. L., & Patel, D. D	Assessment of post third dose (Precautionary dose) COVID-19 vaccination side effects among critical care nurses in rural tertiary care hospital	International Journal of Health Sciences	2022	6	S5	3702-3711	Yes	Yes
2.	Anaesthesia	Ishita Deshpande ¹ , Bhavika Singla ² , Akshaya Narayan Shetti ^{1,*} , Rachita Govind Mustilwar ³	To study the incidences of needle stick injury among critical care nurses working in rural tertiary care hospital	Indian Journal of Pharmacy and Pharmacology	2022	9	2	128-131	Yes	No
3.	Anaesthesia	Dixitkumar D Patel ¹ , Bhavika Singla ² , Akshaya N Shetti ^{1,*}	Hexaconazole poisoning - An uncommon poisoning incidence in rural tertiary care and our experience	International Journal of Pharmaceutical Chemistry and Analysis	2022	9	2	109-111	No	No
4.	Anaesthesia	^{1*} , Akshaya Shetti ² , Ameet Mani ³ , Varsha Jotteppa ⁴ , Shraddha Bhandari ⁵ , Asawari Lawande ⁶ , Raju Anarthe ⁷ and Rachita Mustilwar ¹	Prevalence of Gingival Pigmentation among a Diverse Population of Ahmednagar District – A Clinical Study	Indian Journal of Natural Sciences	2022	13	3	45076-45080	Yes	Yes
5.	Anaesthesia	Dr. Monal karkar Dr. Abhinav lambe	Congenital Heart Diseases in the Cleft Lip Palate Patients and its Perioperative Implications: An Observational Study In Rural Central Maharashtra, India	European Society of medicine	2023	11	7.2		No	No
6.	Anaesthesia	Dr. Akshaya Shetti	Scalp Block : The Forgotten Technique - A Review article	Int. Jl. of Pharmaceutical Chemistry and Analysis	2022;	9	3	119-121	Yes	No
7.	Anaesthesia	Dr. Akshaya Shetti	From Scalpels to Algorithms : The next step in Surgical Advancement.	Int. Jl. of Pharmaceutical Chemistry and Analysis	2023;	10	2	61-65	No	No

8.	Anaesthesia	Dr. Akshaya Shetti	Pectorial Nerve blocks in Modern era- A Review	IP Int. Jl. of Comprehensive and Advanced Pharmacology	2022;	7	4	167-170	No	No
9.	Anaesthesia	Dr. Akshaya Shetti	Conscious Sedation and Anesthesiologist - A Review	IP Int. Jl. of FMT Sciences	2022;	7	4	114-116	Yes	No
10.	Anaesthesia	Dr. Akshaya Shetti	Medicolegal Aspects and Anesthesiologists- aware and beware.	IP Int. Jl. of FMT Sciences	2022;	7	4	111-113	No	No
11.	Anaesthesia	Dr. Akshaya Shetti	Anesthesiology's next frontier : Exploring the boundless potential of artificial intelligence	Int. Jl. of Pharmaceutical Chemistry and Analysis	2023;	10	1	3-7	No	No
12.	Anaesthesia	Dr. Akshaya Shetti	Feeding Jejunostomy and its Implications among Critical Care Patients- A Review	Int. Jl. of Pharmaceutical Chemistry and Analysis	2022;	9	3	122-124	No	No
13.	Anaesthesia	Dr. Akshaya Shetti	Sterilization Techniques of Anesthetic and Critical care equipment- A review	IP Int. Jl. of FMT Sciences	2022;	7	4	108-110	Yes	No
14.	Anaesthesia	Dr. Akshaya Shetti	The Causative Organism and Their Antibiotic Sensitivity Pattern Causing Ventilator Associated Pneumonia with open Suction Technique - A Retrospective Study.	Int. Jl. of Academic Medical and Pharmacy	2022;	4	5	712-716	Yes	No
15.	Anaesthesia	Dr. Akshaya Shetti	Assessment of Post third dose (Precautionary dose) COVID-19 Vaccination side effects among Critical Care Nurses in Rural Tertiary Care.	Int. Jl. of Health Sciences	2022;	6	SS	3702-3711	Yes	No
16.	Anaesthesia	Dr. Vaishalee K. Badhe	Dexmedetomidine as an adjuvant to Ropivacaine in upper limb surgeries under ultrasound guided supraclavicular brachialplexus block	Pravara Med. Rev	2022;	14	03	80-86	No	yes
17.	Anatomy	Sarika P Kate, Arun P Chepte, Sandeep V Pakhale, Y S Sachdeva, and Rahul Kunkulol;	A Study On Knowledge & Awareness Of Work Safety Amongst Employees Working In Radiology Department In A Tertiary Care Hospital.	Research Journal of Pharmaceutical, Biological and Chemical Sciences	2023	14	1	112-117	Yes	No
18.	Anatomy	Arun P Chepte1*, Sarika Kate2, and KD	Study Of Electronic Devices Usage In Learning Anatomy	Research Journal of	2023	14	1	101-105	Yes	No

		Pawar3	Among First MBBS Medical Students In A Tertiary Care Center In Western Maharashtra, India.	Pharmaceutical, Biological and Chemical Sciences						
19.	Anatomy	Kamal D Pawar1, SK Chavan2*, Arun P Chepte3, and RM Pawar4	Morphometric Study Of Common Femoral Artery And Its Clinical Significance	Research Jl. of Pharmaceutical, Biological and Chemical Sciences	2023	14	1	106-111	Yes	No
20.	Anatomy	Dr. Rajeev. R. Desai Dr. Manoj. P. Ambali*Dr. Ashwini R Desai	Ultrasonographic estimation of gestation age and growth pattern of fetuses in second trimester of pregnancy by multiple growth parameters	International Journal of Health Sciences	2023	6	2	10169-10179	No	No
21.	Anatomy	Dr.Mohini M. Joshi Dr. Sandeep V. Pakhale	Morphological variations of vermiform appendix: A cadaveric study	Indian Jl of Anatomy and Surgery of Head, Neck and Brain	2023	9	1	20-24	No	No
22.	Anatomy	Dr.Mohini M. Joshi Dr. Sandeep V. Pakhale	Morphological study of glenoid cavity of scapula	Indian Journal of Clinical Anatomy and Physiology	2023	10	1	46-51	No	No
23.	Community Medicine	Dr.Suchurita Dutta Dr.Vaishali Phalke Dr.Anup Kharde Dr.Phalke D.B.	Study of the risk factors associated with gestational diabetes mellitus at a tertiary level rural hospital, (MH)	Pravara Med Review	2022	14	1	5-14	No	Yes
24.	Community Medicine	Dr.Mandar Baviskar, Dr.Anup Kharde, Dr.Deepak Phalke Dr.Rahul Kunkulol, DR.Rajvir Bhalwar	Transforming COVID Immunization Centers at Medical Colleges into Adult Immunization Clinics	Pravara Medical Review	2022	14	1	57-58	No	Yes
25.	Community Medicine	Mr.Parmeshwar Jamdar Dr.Rutuja Pundkar	A mixed method study of self care behaviour in patient of type 2 diabetes mellitus availing OPD services in hilly tribal area of Ahmednagar district in Maharashtra	Sch Journal of applied medical sciences	2022	10	4	586-591	No	Yes
26.	Community Medicine	Dr.Surendra Patil Dr.Akshay Patil Dr.Anup Kharde	A prospective study of functional outcome of displaced radial neck fracture among children treated with closed reducing internal fixation with intermedullary nailing	IJHS	2022	6	51	10341-10348	Yes	No
27.	Community Medicine	Dr.Swapnil Mane, Dr.Anup Kharde, Dr.Rutuja Phulambrikar	Epidural analgesia- efficacy and fetomaternal outcome: A cross sectional study	IJOGR	2022	9	2	185-188	No	Yes

28.	Community Medicine	Bharat Kumar Bhoi, Rutuja Pundkar, Deepak Phalke	Anthropometric Profile of T2DM patients enrolled in Diabetes prevention programme in RMC	SJM	2022	6	12	435-440	No	No
29.	Community Medicine	Jitendra D Belokar ,Dr. Vaishali Phalke	Quality of Life Among Farmers In Rural Areas of Rahata Taluka Ahmednagar District Maharashtra	JETIR.ORG	2023	10	6	145-151	No	Yes
30.	Community Medicine	Mr. Eknath Machindra Gawade Dr.Vaishali Phalke	A study to assess psychosocial problem among burn patients admitted at Dr.Vitthalrao Vikhe Patil, Pravara Rural Hospital , Ioni BK	JETIR.ORG	2023	10	6	190-196	No	Yes
31.	Community Medicine	Dr.Mandar Baviskar, Dr.Motiram Kamble Dr.Deepak Phalke Dr.Varsha N. Mahavarakar Dr.Priyanka Potdar Air Vice Marshal (Retd.) Dr.Rajvir Bhalwar	Utilization of Game based learning to improve engagement of undergraduate medical students studying Community Medicine during Lockdown -COVID -19 pandemic :A cross sectional study	Original Article	2023	15(02)	10-May	5-10	No	No
32.	Community Medicine	Sharadchandra Vinayak Dighe Dr. Vaishali Phalke	A Study To Assess The Sleep Quality Among Post – Operative Orthopaedic Patients At Select Multi-specialty Teaching Hospital, At Ahmednagar District, Maharashtra	Journal of the Maharaja Sayajirao University of Baroda	2022	56	1 (VII)	151-159	No	Yes
33.	Community Medicine	Nupoor Kulkarni1, Elias Tsepis2, Vaishali Phalke3, Swanand Tilekar4, Kalliopi Poulisi5, Marina Theodoritsi6,Aashirwad Mahajan11	A randomized controlled trial on impact of group exercise programme on fall risk, balance, strength, fear of fall and quality of life of older adults	Journal of Gerontology & Geriatrics	2023	71	2	1-6	No	No
34.	Community Medicine	Dr. Mandar Padmakar Baviskar, Dr. Varsha Mahavarakar, Dr Priyanka Potdar,Dr. Motiram Kamble,Dr. Deepak B. Phalke,Air Vice Marshal (Retd.) Dr. Rajvir Bhalwar	Utilization of Game based learning to improve engagement of undergraduate medical students studying Community Medicine during Lockdown - COVID-19 pandemic: A cross sectional study	Pravara Medical Review	2023	15	1	5-10	Yes	No
35.	Microbiology	Dr. Deepika Bhalerao (Co-author)	Utility of Umbilical cord blood culture in the diagnosis of early onset sepsis : A cross sectional study	Journal of Clinical and Diagnostic Research	2022	16	9	SC01-SC03	No	Yes

36.	Microbiology	Anita Balakrishnan Nair1, Vaibhav Rajhans- corresponding author, Arjun gaikwad, Ajit shriram damle	Etiological profile, Clinicomycological correlation and Risk Association in onychomycosis	Internation Journal of Pharmaceutical and Clinical Research	2022	14	8	775-787	No	Yes
37.	Microbiology	Dr. Sufiya M Siddiqui, Dr.Hira Padekar	Comparison of immunochromatographic test with ELISA for detection of dengue in a tertiary care hospital Jalna.	IOSR- JDMS	2023	22	1	57-60	No	Yes
38.	Microbiology	Anagha S. Vaidya, tadvi khan saleha- corresponding author, Dr. V. Rajhans, Dr. A. Nair	Fungal Culture Outcome Of Various Specimens: One Year Retrospective Study In Rural Tertiary Care Centre	Internation Journal of pharmaceutical and Clinical Research	2023	5	2	1474-1478	Yes	Yes
39.	Microbiology	Anita Balakrishnan Nair, Anil Arjun Gaikwad, Ajit Shriram Damle, Vaibhav Vitthalrao Rajhans	Etiological Agents & Demographic Characteristics Of Onychomycosis At A Tertiary Care Hospital Of Maharashtra	International Journal of Academic Medicine and Pharmacy	2023	5	3	2404-2409	No	No
40.	Ophthalmology	Dr. Shwetha Venkateswaran, Dr. K. P. Badhe, Dr. Shraddha Wable	Risk Factors and Clinical Presentation of vernal keratoconjunctivitis in Patients Visiting the outpatient department at A Rural Tertiary Care Hospital	International Journal of Advanced Research (IJAR)	2022	10	10	702-707	No	Yes
41.	Ophthalmology	Dr. Shraddha Wable, Dr. K. P. Badhe, Dr. Shwetha Venkateswaran	Study of Outcomes in Patients of Chronic Simple Glaucoma Undergong Small Incision Cataract Surgery With Trabeculectomy	International Journal of Advanced Research (IJAR)	2022	10	10	611-616	No	Yes
42.	Ophthalmology	Dr. Tosha Gujarathi, Dr. S. V. Bangal, Dr. Rashi Sharma	Study on Pattern of Secondary Glaucoma in Rural Hospital	International Journal of Advanced Research (IJAR)	2022	10	10	427-433	No	Yes
43.	Ophthalmology	Dr. Rohit Aphale , Dr. S. P. Nigwekar, Dr. Rucha Kacha, Dr. Saurabh Kapase	Clinical Profile of Myopia in Adult Patients at a Rural Tertiary Care Hospital	Medico Research Chronicles	2022	9	6	428-434	No	No
44.	Ophthalmology	Dr. Rucha Kacha , Dr. S. P. Nigwekar, , Dr. Rohit Aphale, Dr. Saurabh Kapase	Study of Clinical Profile and Management of Age- Related Macular Degeneration at Rural Tertiary Care Hospital	Medico Research Chronicles	2022	9	6		No	No
45.	Ophthalmology	Dr. Akshay Divate, Dr. W. M. Chavan, Dr. V. G. Suvarnkar	Study of Dry Eye in Patients With Type 2 Diabetes Mellitus at Rural Tertiary Care Hospital	International Journal of Advanced Research (IJAR)	2022	10	10	1158-1162	No	Yes

46.	Ophthalmology	Dr. Ekta A. Chandak, Dr. A. J. Bhandari	Study of Ophthalmic Manifestations in Patients With Haematological Dyscrasias	International Journal of Advanced Research (IJAR)	2022	10	10	1003-1007	No	Yes
47.	Ophthalmology	Dr. Manali Deosthali, Dr. Parag Tupe	Clinical Profile of Patients with Dry Eye Presenting at a Tertiary Rural Hospital	International Journal of Scientific Research	2022	11	1		Yes	No
48.	Ophthalmology	Dr. Akshay J. Bhandari, Dr. Ekta A. Chandak	Ophthalmic Manifestations of HIV Patients in Rural Setting – A Retrospective Study	Pravara Medical Review	2022	14	3	5-12	No	No
49.	Pharmacology	Sonal Tambe, Rahul Kunkulol, Vandana Pulate	Clinicoinvestigative profile of ischemic heart disease patients admitted in tertiary care teaching hospital: A cross-sectional study	National Journal of Physiology, Pharmacy and Pharmacology	2022	13	7	1-5	Yes	No
50.	Pharmacology	Dr Palak Agrawal, Dr Prajakta Kolhe, Dr Rohit Maurya, Dr Rahul Kunkulol	A Rare Case Series of Cutaneous Adverse Drug Reaction Presenting with Stevens Johnson Syndrome in A Tertiary Care Rural Hospital of Western Maharashtra	Int. J. Pharm. Sci. Rev	2023	79	1	101-104	No	No
51.	Pharmacology	Dr. Rahul Kunkulol	Evaluation of Wound healing Activity of Hibiscus cannabinus Linn Leaves.	Pravara Med. Rev.	2023	15	1	87-92	No	Yes
52.	Pharmacology	Dr. Rahul Kunkulol, Dr. Sandeep Narwane	Simultaneous Estimation of Acyclovir and Nicardipine HCl by UV Spectrophotometric Method with its Validation.	European Chemical Bulletin	2023	12(3)		880-891	No	No
53.	Pharmacology	Vandana Shridhar Pulate, Rahul R Kunkulol, Sandeep P Narwane, Sonali N Tambe	Effect of add on L-arginine on blood pressure in hypertensive patients on antihypertensive treatment	National Journal of Physiology, Pharmacy and Pharmacology	2022	12	9	1339-1343	No	Yes
54.	Pharmacology	Mahesh Dattatray Dokhe ^{1*} , Rahul Kunkulol ² , Sandeep Narawane ³	Formulation, In-Vitro Evaluation, And Optimization Of Acyclovir Tablet–In–Tablet Of Outer Immediate Release And Inner Sustained Release (Floating Tablet)	Eur. Chem. Bull	2023	12	5	6253-6260	No	No
55.	Pharmacology	Shinde Ganesh S1*, Rahul Kunkulol ² , Palak Agrawal	Formulation And Development Of Herbal Fast Disintegrating Tablet Of Achyranthes Aspera Linn Root Extract.	Eur. Chem. Bull. 2023, 12 703 – 706	2023	12	10	703-706	Yes	No
56.	Pharmacology	Rahul Kunkulol	Evaluation of the clinical	Journal of	2023	XX	X-	2352-	No	No

			parameters and volumetric analysis of gingival crevicular fluid for chlorhexidine vying silver nanoparticle mouthwash the avant garde for chronic periodontitis	Cellular Biotechnology xx (20xx) x-xx DOI 10.3233/JCB-230116 IOS Press, scopus cellular			XX	3689		
57.	Pharmacology	Dr Palak Agrawal,Dr Prajakta Kolhe,Dr Rahul Kunkulol	Ceftriaxone induced stevens-johnson syndrome and epidermal necrolysis(SJS/TEN)overlap in an elderly patient:A Rare Case Report	International Journal Of Medical Science and Innovative Research	2023	8	1	74-78	Yes	No
58.	Pharmacology	Palak Agrawal1, Sandeep Narwane2, Priyanka Gulve1, Prajkata Kolhe1*, Shreya Singhal1, Sonakshi Goyal1, Amitesh Shukla1	Adverse drug reaction profile of anticancer agents in a tertiary care centre of rural Maharashtra: a cross-sectional study	International Journal of Research in Medical Sciences	2023	11	9	3293	Yes	No
59.	Pharmacology	Dr Rashmi kharde	Assesment of outcome of epidural anasthesia and general anasthesia in eclampsia obstreticspatients after delivery in obstretic critical care unit	European journal of molecular and clinical medicine	2022	9	7	2939-2944	Yes	No
60.	Pharmacology	Dr Rashmi Kharde, Dr Sandeep Narwane	Study of effect of mydriatic and myotic drugs on pupillary size by card pupillometer	International journal of early childhood special education	2022	14	3	1890-1895	No	Yes
61.	Pharmacology	Dr Rashmi kharde	Assesment of effect of Medihope medicine in chemotherapy of cancer patients	Journal of cardiovascular disease research	2022	13	8	156-161	No	No
62.	Pharmacology	Dr.Vandana Pulate, Dr Varade S S,Dr. priyanka B. Gulve,Dr RahulR Kunkulol.	Effect of add on L-Arginine on mean arterial pressure in hypertensivepatients on antihypertensive treatment	Pravara Medical Review	2023	15	1	5-10	No	Yes
63.	Pharmacology	Dr.Shidhaye R, Thanage C, Dr.Bangal V, Behere NS, Pulate Vandana, Tambe Sonali, Tilekar S.	Culturally sensitive translation of the Perceived Stress Scale and the Multi-dimensional Scale of Perceived Social Support into Marathi language.	Research Square	2023			1-22	Yes	Yes
64.	Pharmacology	Dr.Shidhaye R, Bhide V, Dr.Bangal V, Behere NS, Shidhaye P, Pulate	Culturally sensitive translation of the Edinburgh Postnatal Depression Scale into Marathi	India. Journal of Affective Disorders	2022	11		1-8	Yes	Yes

		Vandana, Tambe Sonali, Thanage C.	language to assess perinatal depression in rural Maharashtra.	Reports						
65.	Pharmacology	Dr.Shidhaye R, Dr.Bangal, Pulate Vandana, Tambe Sonali	Yoga to improve maternal mental health and immune function during the COVID-19 crisis (YOGA M2 trial):Study protocol for a pilot randomized control trial	Well open research	2022	Version 2		107-109	Yes	Yes
66.	Radiotherapy and Oncology	Dr. Vandana S. J	Concurrent chemotherapy with high-dose rate brachytherapy after treatment with chemo radiotherapy in cases of locally advanced carcinoma cervix: A study from rural area of Maharashtra, India.	Journal of cancer Research and Therapeutics	2022	18	6	1572-1577	Yes	Yes
67.	Radiotherapy and Oncology	Dr. Chaitali M. W	Reporting rectal dose in pelvic radiotherapy: Valid or virtual?	Cancer Research, Statistics, and Treatment /	2023	6	2	315-317	Yes	Yes
68.	Radiotherapy and Oncology	Chaitali Manohar Waghmare, Hemant J. Pawar	Pretreatment hematological parameters as predictors of tumor granulocyte-colony-stimulating factor expression in patients of head-and-neck squamous cell carcinoma	Journal of Cancer Research and Therapeutics	2022	19	3	657-663	No	No
69.	Radiotherapy and Oncology	Dr. Chaitali W.	Why is the EORTC QLQ C 30 (Version 3.5) still the most widely used quality of life assessment tool in oncology?	Cancer Research, Statistics, and Treatment	2022	5	2	376-378	No	Yes
70.	Radiotherapy and Oncology	Dr. Chaitali W.	Oncology treatment outcome in human immunodeficiency virus positive cancer cervix patients where we are and what we achieved?	Journal of cancer Research and therapeutics	2022	18	6	1537-1541	No	No
71.	Surgery	Dr. K. C. Gadhave Dr. Pratik Gond	Appendectomy: Laparoscopy Vs Open Comparative Outlook At A Rural Set Up In India.	International journal of scientific development and research	Aug-22	8	10	303-307	Yes	No
72.	Surgery	Dr. P. K. Baviskar Dr Ruchita T Dr. Pratik Gond	“Gastric Blow Out” Following Premature Labour In A Primigravida Pravara Med Rev,;	Pravara medical review	Sep-22	14	3	54-58	No	Yes
73.	Surgery	Dr. P. K. Baviskar	Reverse Shock Index And	International	Oct-	7	10	1038-	Yes	No

		Dr. Kalyani Sisode Dr. Pratik Gond	Glasgow Coma Scale: Early Predictors Of Mortality In Traumatic Brain Injury In A Rural Setup	journal of scientific development and research	22			1042		
74.	Surgery	Dr. G.J. Jorwekar Dr. Banswal L. Dr. Pratik Gond Dr. Ruchita Talreja	Clinical Profile Of Head And Neck Malignancies At A Rural Tertiary Care Centre: Retrospective Study. Rjpbcs	Research Journal of Pharmaceutical, Biological and Chemical Sciences	Sept. 2022 Oct-2022	13	5	90-95	No	No
75.	Surgery	Dr. G.J. Jorwekar Dr. Mridul Taparua Dr. Pratik Gond	Study Of 60 Orchidectomy At Rural Tertiary Care Centre Of Maharashtra	International journal of scientific development and research	Oct-22	7	10	766-769	Yes	No
76.	Surgery	Dr. D. K. Apturkar Dr. Atreyee Sarkar Dr. Harish Mudashi Dr. Ruchita Talreja	Mesodiverticular band of Meckel's diverticulum causing internal Herniation and intestinal obstruction in a geriatric male	International Journal of Advanced Research	Nov-22	10	11	11-16	No	No
77.	Surgery	Dr. K. C. Gadhave Dr. Pratik Dr. Manideep Dr. Shreya Pakkal Dr. Pranjal Tanter	Ultrasound And Appendicitis: Evaluation Of Correlation Between USG Diagnosis And Pathological Diagnosis ISSN: 2456-4184	International journal of scientific development and Novel research	Dec-22	7	12	-	Yes	No
78.	Surgery	Dr. K. N. Dandekar Dr. Revathi Palagani Dr. Nishita Maheshwari	Disasters Of Khatna Or Religious Male Circumcision	International Journal Of Advanced Research (Ijar)	Sept.-2022	10	9	43-47	No	Yes
79.	Surgery	Dr. P. K. Baviskar Dr. Atreyee Sarkar Dr. Ruchita Talreja Dr. Harish Mudashi	Meckel's Diverticulum Disease's Conferral A Case series of 7 Cases Meckel's Diverticulum disease at a rural tertiary care centre	International journal of scientific development and Novel research	Sep-22	7	9	93-99	Yes	No
80.	Surgery	Dr. P. K. Baviskar Dr. Harish Mudashi Dr. Atreyee Sarkar Dr. Ruchita Talreja	Diagnostic modalities for patient with thyroid nodule in a rural setup	International journal of scientific development and Novel research	Nov. 2022	7	11	290-296	Yes	No